

MEDIUM WAVE NEWS

MEDIUM WAVE CIRCLE

April 2010 Volume 56 No. 01



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STOP PRESS:

Welcome to new members this month.

THANK YOU TO EVERYONE WHO HAS RENEWED THEIR MEMBERSHIP

Stop Press Deadlines:	3 rd May for May-June 2010	1 st July for July-August 2010
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Cover illustration: On the Air

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EDITORIAL

with Steve Whitt

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Thank you very much to everyone who has recently renewed their Circle memberships. We appreciate that without your support the Circle could not exist, so once again thanks.

Treasurer's Report – Martin A Hall

A substantial number of membership renewals fall due at the end of March so the last few weeks have been busy with the administration of the Circle. It's always a relief to the Treasurer to see the funds coming in that will finance the Circle for the coming year. Due to the changes in responsibilities over the past year, I do the book-keeping, acknowledgement of receipts, and banking of cheques, while Paul Crankshaw keeps the membership database updated, and issues renewal reminders as and when necessary. If the Circle has an e-mail address for you on file, then I aim to acknowledge receipts within 7 days, and this has led on to a pleasant exchange messages with several members; as well as having a common bond through MW radio, it's also been fascinating to discuss a much broader range of interests.

I'd like to take this opportunity to thank another volunteer – Peter Wells. Ten times a year, Peter receives the copies of MWN from the printers, puts them in envelopes, sticks on the address labels supplied by Paul, purchases stamps (and maintains the stock), and keeps spreadsheet records. Without him, your copies of MWN wouldn't get to you, so in recognition of his activities, the Circle has given him a free 12 month subscription.

Perseus receiver comments

I have owned Perseus for 5 months now and it has been on DXpedition to our Seefontein Atlantic West Coast site. I am mainly a BCB MW and NDB beacon LF DXer. The Perseus is operated next to my marvellous Icom IC-7600.

Perseus is a top class performer and has all the bell's and whistles of an expensive conventional receiver. It's filters are top line and I found the NR noise reduction even better than my Icom. It is just as good as the Icom at digging the most difficult stations out of the mud and is a top class DX machine. It is particularly good at finding those elusive weak NDB beacons on LF.

Owning Perseus requires you to have a top end laptop, otherwise it will not be able to successfully record the wide 1.6 MHz span, a major feature of Perseus. Also you have to do something about the sound, as the laptop just doesn't produce decent audio. So, be aware that buying Perseus is not the end of your financial outlay.

Taking Perseus on a powerless DXpedition is a pain - you have to have power for your laptop and Perseus requires a quirky 5v DC. I did kit myself out for all this and captured some good TOH top of hour recordings of the MW+LF band. Analysing these recordings afterwards yielded a mixed bag. On the plus side I was able to log stations with good ID's that I had not found with the Icom, but I also had some good ID's from the Icom that were simply not heard on Perseus. But it's swings and roundabouts - what you loose on Perseus due to it's lack of sensitivity and high noise floor, you gain from the extra stations you hear resulting from recording the full MW band at TOH.

Perseus is not as sensitive as the Icom and introduces more noise, plus the recording seems to add further noise, that is why you loose some of the weaker stations.

I am from the older generation and not very computer literate. Perseus requires some good computer knowledge to install properly and do the updates that come along. This is reflected on the Perseus news group as the number of software queries is quite large. I would have expected the suppliers of this not inexpensive SDR to supply "auto run" software and updates for the many computer illiterate users like myself..

All in all a worthy SDR which I give 4 stars out of 5.

John Plimmer, Montagu, Western Cape Province, South Africa

Radio Books

Stick iväg, Jack! Historien om Radio Nord by Jan Kotschack

During 16 months, between 1961-62, Jack S. Kotschack's offshore station Radio Nord shook the Swedish establishment by broadcasting from international waters in the Baltic Sea. The station used the radio ship "Bon Jour" which later became the famous MV Mi Amigo, home of Radio Caroline South and many more radio stations. Radio Nord played modern pop music, news - and advertising, loved by the Swedish listeners.

The book is richly illustrated in color with countless pictures, many of them previously unpublished! Despite the fact that it's written in the Swedish language, the book is definitely a must for all offshore radio enthusiasts.

Bonus DVD: The book's first edition comes with an unique DVD including a documentary film about Radio Nord, entitled "Låten från Båten" (Song from the Boat) - a fantastic time document of 8 minutes play time, which was shown as an opening film at the Swedish cinemas in autumn 1961.

Book Info

- # In Swedish
- # Hardcover with dust jacket
- # Richly illustrated in colour
- # Format 169x239
- # 424 pages
- # Incl. Bonus DVD
- # ISBN 978-91-89136-51-9



2MT Writtle - The Birth of British Broadcasting

This year is the 90th Anniversary of regular broadcasts in the UK and Tim Wander G6GUX is publishing a new book on the subject.

January 15, 1920 saw the first broadcasts from MZX in Chelmsford and June 15 will be the 90th anniversary of the famous Dame Nellie Melba broadcast. This was followed on February 14, 1922 by the start of broadcasts from the famous 2MT station at Writtle.



On March 3 Tim gave a presentation on the birth of broadcasting at the Cramphorn Theatre, Chelmsford. Among those attending was the Mayor and Mayoress, Friends of the Museum, members of the Marconi Veterans Association and Chelmsford Amateur Radio Society (CARS). During the presentation Tim showed many of the new photographs he had found while researching his forthcoming book.

Tim G6GUX wrote his first book on the subject in 1988 and the first print run sold out within a year. The completely rewritten and revised new edition benefits from 21 years more research, the internet and modern technology, and now has over 200 photographs, many previously unpublished.

It is due out on April 10, 2010 and will be available via his website at: <http://www.2mtwrittle.com/>

The first 300 books will be numbered and signed by the author. The new edition is just £14.95. Postage and packing - UK £3.50. Europe and ROW £5.50

If you would like to order by normal mail please send details of the name and address where you want the book delivered, with a cheque for £18.45 (UK delivery) or £20.45 (ROW delivery); Payable to J Wander, to PO BOX 171, BEMBRIDGE, Isle of Wight PO35 9DF.

“Ships in troubled waters” by Nigel Harris

In 2009, several books about "offshore radio" have been published, but Nigel Harris's is definitely the most personal one of them all. It covers many radio stations and broadcasting vessels but some school stories, too. "Boarding school was harsh, but the North Sea was worse" says Nigel, who began his career as Stuart Russel on Radio Caroline's MV Mi Amigo in the mid seventies.

The comprehensive book (which includes several pictures from Nigel's childhood up to the period on the Peace ship) is on the time before and during his offshore days, not just Radio Caroline. However, it dwells on the Mi Amigo days a bit longer than the other ships. Featured are the Mi Amigo, the Cedarlea project in Scotland, Radio Paradise, the Ross Revenge and the Voice of Peace; there is plenty of pirate radio including countless in-depth stories on life on board the radio ships.

We learn about different characters like Tony Allan, Peter Chicago, Samantha Dubois, Marc Jacobs, Herman de Graaff, Roger Mathews, Peter Philips, Captain Ernie Stevensen and last but not least Ronan O'Rahilly. And we get to know how difficult and complicated the entire Caroline family sometimes could be. In summary, I can only recommend Nigel's book. It is definitely a must for every offshore radio enthusiast. [Dr. Martin van der Ven]

* Paperback: 229 pages

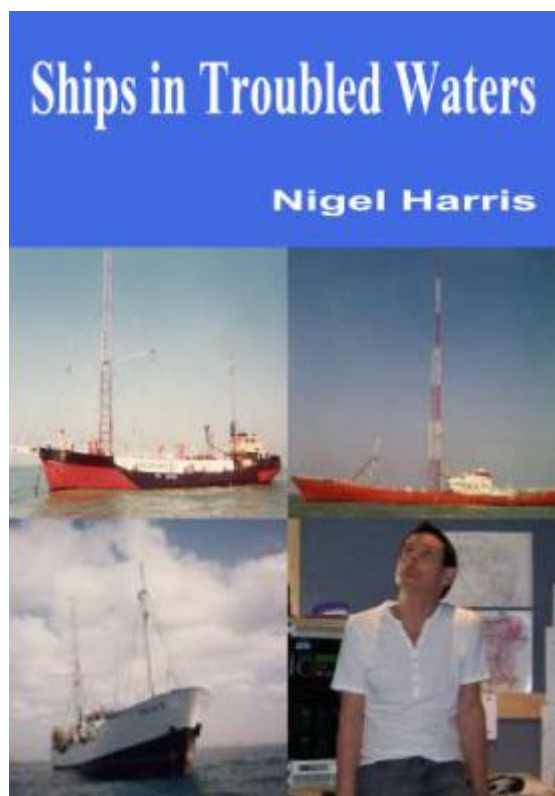
* Photographs: 50 B&W

* Publisher: MyWayPublishing

* Language: English

* Dimensions: 132 x 197 x 18 mm

* ISBN: 978-0-9563996-0-1



Available for around £12-13 via on-line retailers.

Radio Seagull / Waddenzee offshore radio visits

If you're interested in visiting Radio Seagull and Radio Waddenzee in action when anchored 8 miles out at sea, make sure to book a trip from Halingen in Holland. Harlingen is about 100 kilometres North of Amsterdam. A trip by car is no more than approximately 60 minutes. A trip by train from Amsterdam to Harlingen takes two and a half hour with only one change.

The tender will take you out to the ship. Depending of the tide this trip takes you 1 hour to 90 minutes. Once on board you will be shown around the vessel and after a meet and greet with the crew a visit to our merchandise-, and coffee bar is a must. The trip back to Harlingen across one of the most beautiful areas in Holland while listening to the programs from the ship you have only just left is an appropriate finishing touch to a unique trip.

If you want to grab what possibly is the last chance to visit a real operating offshore radio station, choose one of the dates and times mentioned here below. As the trips are subject to availability we'd like you to indicate not only a first choice, but also a second option. Don't hesitate as there is limited space. The trips are € 35,- per person, to be paid at departure.

Send an email to offshore@radioseagull.com or send a letter / postcard to:

Radio Seagull, P.O. Box 24, 8860 AA Harlingen,
The Netherlands

Please Indicate which date(s) you would like to book. Don't forget to leave your details and (mobile) phone number(s) to enable us to contact you. Also mention the number of people you like to book for.

Dates Times of departure*

April 30th (Fri)	8 am 11.15 am 2.30 pm
May 1st (Sa)	8 am 11.15 am 2.30 pm
May 2nd (Su)	8 am 11.15 am 2.30 pm
May 7th (Fri)	8 am (limited space)
May 8th (Sa)	8 am 11.15 am 2.30 pm
May 9th (Su)	8 am 11.15 am 2.30 pm
May 13th (Thu)	8 am 11.15 am 2.30 pm
May 14th (Fri)	8 am 11.15 am 2.30 pm
May 15th (Sa)	8 am 11.15 am 2.30 pm
May 16th (Su)	8 am 11.15 am 2.30 pm

The poster features a red radio ship on the water. Text on the poster includes: 'Unieke kans' (Unique chance) in red, 'Bezoek het radioschip op de Waddenzee' (Visit the radio ship on the Waddenzee) in yellow, 'tussen 30 april en 16 mei 2010' (between 30 April and 16 May 2010) in white, 'voor boekingen ga naar www.radiowaddenzee.nl' (for bookings go to www.radiowaddenzee.nl) in white, 'Radio Waddenzee 1602 AM' in white on a red banner, 'Het geluid van Noord Nederland' (The sound of North Holland) in red, 'live vanaf zee!' (live from sea!) in yellow, 'Waddenzee' in blue, 'stem je radio af op 1602 AM' (tune your radio to 1602 AM) in white, '7.00 u - 19.00 u' (7.00 u - 19.00 u) in white, and 'buitengaats 2010' (DXpedition 2010) and 'offshore@radiowaddenzee.nl' in white at the bottom.

A Snapshot from Grayland

As we leave the sunspot minimum behind us and as Sunspot Cycle 24 takes a grip on the ionosphere it's worth reminding ourselves just how good conditions were just a few months back. Chuck Hutton reported the following from the Grayland, Washington, USA DX-pedition site

GRAYLAND LOGGINGS OCTOBER 3 AND 4, 2009

1400' Beverage at 320 degrees, terminated (I think) and a Perseus receiver

THREE NEW COUNTRIES!

Three new countries in a weekend was a top level thrill for me and an experience not to be forgotten soon.

693 BANGLADESH Betar, Dhaka 1428 Oct. 4 fair with talk mentioning Bangladesh. 1430 English news with strong South Asian accent.

Bangladesh's brand new 1 MW (yes, 1 Megawatt) transmitter on 693 was the easiest of the bunch, rising to a level equal to NHK Japan briefly with accented English news at 1430 as first spotted by Bruce Portzer. Japan-693 is one of the strongest TP's here, so I was not expecting anything to poke through and even speculated to Bruce on the way to Grayland that Bangladesh was not a good candidate for us. Wrong.

576 BURMA Myanma Radio, Yangon, poor to almost fair with man talking 1430-1433 Oct. 3.

Next on the list was Burma. 576 has no strong dominant station in the NW USA as Russia and NHK are often there but cannot be called powerful. At 1430, no Russia or Japan was evident and a fairly poor signal with a man talking in a non-recognizable language was present. It rose to almost a fair level briefly. Later, Alan Davies (a resident of SE Asia who is fluent in several Asian languages) and Henrik Klemetz (master linguist and professor of languages) listened to the recording and decided it is Burmese.

705 LAOS (!!!) Laos National Radio, Luang Prabang 1409:38 - 1411:20 Oct 3 with poor talk at a level far too low for me to get a handle on this unfamiliar language. Oct 4 1418:45 - 1431:10 poor Asian music but who would know if it is Laotian

The last country was the most unexpected: Laos. Laos has very few medium wave transmitters: 567 (200 kW), 585 (20 kW), 640 (10 kW) and 705 (10 kW). Contrast that with China (9073 transmitters), Indonesia (3710 transmitters) or Japan (4562 transmitters). After 1400 on October 3 and 4, a poor carrier was noted on 705, or actually 704.996 Hz. Only a few minutes of poor talk and a few more minutes of slightly better music were heard. Things were at a dead end until a native Laotian at work listened to my recordings and identified them as Laos. He was able to recognize the artist and song. By the way, Laos got a new 10 kW transmitter for 705 in 2007 and it is heard decently throughout SE Asia and into China per Alan Davies. I'm particularly thrilled by Laos as it was on my list of countries I did not expect to ever hear. I suppose it was heard 40 years ago or more in the days of clearer channels and thought it would not be heard again in the USA.

36 NEW CHINESE STATIONS

That's a lot for 1 weekend, isn't it? Quite a handful from Inner Mongolia plus far away Kashi and Yunnan. Even a new station on a domestic channel: Liaoning on 1260. In the end, I had a Chinese language station on each and every frequency except: 747, 1080, 1233, 1467, 1494, 1602. With some recordings still not studied, a few more may fall.

50 WATT JAPANESE STATIONS

I had been ignoring the Japanese harbour stations listed on 1670 in the Pacific-Asian Log as I thought the US interference would always be too much. I noticed a bit of interference to 1670, checked it out and discovered that these stations are not really on 1670 nor are they "1670.5 USB" as listed on their website. They have a carrier on 1669 and an upper sideband. That still means quite a bit of interference from 1670, but it also means that it is easier to tell when a signal is present. With USB reception and a notch on 1670, audio was recoverable in many of the time slots used by these stations which share the channel.

OTHERNESS

But wait..... There's more. Two new Thai stations: 648 and 1467. Eight new Taiwanese stations. At least 35 Alaskans, all but 1 with nice ID's.

MW Offset List

If you are interested in precision frequency monitoring, or just trying to identify the source of the annoying heterodyne whistle then you'll need to access the MW Offset List. This compiled and maintained by Gunter Lorenz and the list has been updated as of the end of March 2010.

The list contains 6040 offsets (longwave, NDB, mediumwave, shortwave)! But still 20697 active LW/MW/NDB records in <http://www.mwlist.org> without exact frequency! NEW: Dynamic list via <http://www.mwlist.org/mwoffset.php?khz=> (optionally add the nominal frequency)

This list is a collection of exact operating frequencies of Medium Wave stations. Even small deviations from the nominal frequencies ("offsets") help Medium Wave DXers to identify stations. When monitoring the nominal frequencies with software, DXers can see carriers which are so weak that they never would produce audio. Exact frequencies and fade-in/fade-out patterns can however help to identify the source of the signal.

Initially compiled from own monitoring, data is now being added from various sources. The list is ordered by nominal frequency and then by exact (measured) frequency. If it has been determined that a station transmits exactly on frequency, it will also be included.

Plasma TV Interference

Vlad Titarev writes, "I am suffering this local QRM on 1521 comes (in my case) from flat plasma TV (DPP-42A3V model). Another dirty spot on the dial caused by the same source is 1305 kHz.

The e-pollution from plasma is simply HUGE: all the yard, 20m around house, is affected. No surprise that it appears on Perseus via K9AY which is located in the middle of the garden - just few meters from the house. TV is mounted on the wall in the living room, i.e. in centre of the house

My main conclusion/advice is: sign contract with wife (on "time sharing") before purchasing / mounting such stuff in your house. Now I have to negotiate each time. If neighbours O) it may turn into DRAMA ;-))"

That is bad news. Have you tried a bit of extra detective work to find out how e-pollution signals are travelling?

Here are a few ideas that might help (try to do them around mid-day when MW signal strengths are stable & not fading due to sky-waves).

1) disconnect the K9AY loop wires from the head-end box. In an ideal world all radio signals and all e-pollution should disappear. You should only hear the noise floor of the receiver and the S-meter should be S0 or less. If that is so then you have a great antenna/receiver system and all the e-pollution is being received only by your antenna. Go to step #2

If you still have big signals and e-pollution then your feed-line cable from the antenna to the receiver is working as an unwanted antenna. If possible this should be fixed, not just because of e-pollution but because cable pickup will affect the directional reception properties of the K9AY. In other words if the K9AY has a good null in a particular direction, pick-up on the coaxial cable would obscure the null.

Techniques that might reduce pick up on the coax cable include ferrite ring braid breakers and experimenting with the earthing arrangements of the receiver, the antenna and the cable. If your K9AY has control cables or power cables going from your shack to the outdoor antenna these can act as pick-ups for e-pollution and then feed them into the receiver or antenna end of the coax.

Also is the coax cable to your K9AY located close to your Plasma TV or does it run parallel to house electrical wiring? Separating the two should reduce coupling of interference between the two.

2) discover how the e-pollution is getting out of the TV. It is probably using TV cables as its own small transmitting aerials. Whilst you listen to the e-pollution, watch the s-meter on your receiver and then one by one disconnect cables from your TV (Scart cables, loudspeaker cables, TV aerial and satellite coax cables) until the only cable left connected to the TV is the power cord. Does the noise get weaker as cables are disconnected? If so each cable needs to be tackled with in line filters or braid breakers - you might need to use clamp-on ferrite beads/rings.

If disconnecting cables does not reduce the e-pollution then it is possibly straight out of the TV - not much you can do about that except to wrap the TV in aluminium or copper foil :-)) or switch it off. Possibly the TV does not meet regulations for creating electro-magnetic interference.

It is more likely to be using the power cord and the electric wiring in your house as an antenna. With all other TV cables isolated, try a power line filter between your TV power plug and the wall power socket. These units are nowadays often available from computer shops as surge and noise protection for PCs.

You might find that the main source of e-pollution is the switched-mode power supply unit in the TV. Some are good. Some are badly designed or built. They should all have an interference-reducing filter built in in-line with the mains power input to the power supply. Some manufacturers have been known to leave these critical components out to save money.

Good luck hunting, TIP: Google: "coax cable braid breakers" for lots more information.

Solar Cycle 24

Recently the ionosphere has seen a resurgence in activity due to the emergence of Solar Cycle 24. If you track the A/K indices you will notice the first "burst" of double digit A indices since January 2008.

#	#	Middle Latitude - Fredericksburg -									High Latitude ---- College ----									Estimated --- Planetary ---									
		A			K-indices			A			K-indices			A			K-indices												
2010	03	28	4	0	3	2	1	1	1	1	0	12	0	3	4	3	4	2	1	0	7	0	3	2	2	2	2	1	1
2010	03	29	5	2	1	1	1	2	1	0	3	2	0	0	1	1	1	1	0	0	4	2	0	1	1	1	2	0	2
2010	03	30	4	2	1	1	0	1	1	2	2	4	2	1	1	0	1	2	2	5	2	1	0	1	1	1	2	2	
2010	03	31	5	2	2	1	2	1	0	1	2	6	1	1	1	4	0	0	1	2	4	1	2	0	1	1	1	0	2
2010	04	01	9	3	2	2	1	3	3	1	2	20	2	2	3	3	6	4	1	2	12	3	3	2	2	4	3	1	3
2010	04	02	10	3	2	3	3	2	1	2	2	21	2	3	5	5	4	3	2	1	12	3	2	3	3	2	2	2	3
2010	04	03	5	2	1	0	1	2	2	2	2	9	2	1	1	2	3	3	3	1	8	2	1	1	0	2	3	2	3
2010	04	04	11	3	2	4	1	2	1	2	3	16	3	3	4	2	4	3	2	3	13	3	3	4	1	2	2	3	4
2010	04	05	28	2	3	4	6	5	3	3	3	75	3	3	6	8	7	6	3	3	49	3	4	4	7	6	5	4	4
2010	04	06	22	5	4	3	3	3	4	3	3	84	4	5	6	7	7	6	6	6	46	6	6	4	5	4	5	5	4

In 2009 there were only 7 isolated days where mid-latitude A indices went double digit!

Thanks

This month I'm very pleased to bring some technical articles thanks to the hard work of the authors. If you are working on any project, large or small I'm sure Circle members would be interested to hear about it. So why not put pen to paper (surely finger to keyboard these days!) and share your ideas and findings with an interested audience?

Now on with the show.

73s Steve

MODIFY THE TECSUN PL-380

On the work bench with Graham Maynard

WOW!

What a potentially capable miniature receiver we have here, whilst to my ears - what a truly obnoxious sounding little radio it seemed!

Out Of The Box.

The PL-380 might embody amazing reception flexibility via its digital signal processing circuitry, but out of the box its Longwave sensitivity is very poor, its Medium Wave sensitivity poor below about 1200kHz, both being aspects which render it inferior to most of the basic track tuned solid state pocket portables made during the last 45 years. Additionally it makes no attempt to offer comfortably balanced reproduction of original broadcast program material due to its beaming sharp, spitchy and sibilant sound (especially on FM) via a tiny internal loudspeaker, which for me, made this Tecsun quite **impossible** to listen to. I still have smaller 1960s AM radios which are both more sensitive and more acceptable in their own right; they might not have DSP, but they are more competent when it comes to general listening!



Tecun PL-380 (left) compared with Sangean ATS 803A (right)

Whether a radio is analogue or digital there can never be any excuse for bad audio, and designers really should consider the nature of human hearing with its innate need for balanced low and high frequency sound pressure level comfort with respect to our listening norm, as is set by the mid

range frequencies we must hear in order to comprehend communications. This means that when there is little bass output - as via a tiny loudspeaker - then the treble output must also be reduced in level, and not be left to propagate tweeter like with unnatural loudness via untamed small driver high frequency efficiency.

After reading the comparative review by Gary DeBock (USA) as published in Medium Wave News, other DX magazines, and on the Internet, I bought this receiver through *e-bay* with no problems via International Air-mail from Hong Kong:-

[http://cgi.ebay.co.uk/TECSUN-PL-380-FM-Stereo%2F-SW%2F-MW%2FLW-DSP-Radio-\(-Silver-\)_W0QQitemZ270519397606QQcmdZViewItemQQimsxq20100123?IMSfp=TL100123233001r19279](http://cgi.ebay.co.uk/TECSUN-PL-380-FM-Stereo%2F-SW%2F-MW%2FLW-DSP-Radio-(-Silver-)_W0QQitemZ270519397606QQcmdZViewItemQQimsxq20100123?IMSfp=TL100123233001r19279)

Gary went on to overcome AM insensitivity by mounting a 7.5" long ferrite rod antenna on a support externally affixed to the top of the radio. This antenna is two inches longer than the radio itself, thus making the set larger than my pockets. See-

http://www.dxr.ca/file-area/doc_download/290-tecsun-pl-380-review

However his comparative reviews with other small radios, did not fully express how poor the digital PL-380's daytime sensitivity is when compared to more normal sized AM portables, nor how atrocious the sound is should this receiver be used as a portable radio. I found myself needing to use the AM pass-band selector as a treble cut, but that simply muffles reproduction and degrades clarity. As a direct result not only did I find myself very disappointed with this purchase, but my set holds the record here for speed of removing the cabinet back on a brand new piece of equipment; i.e. after only five minutes of listening time.

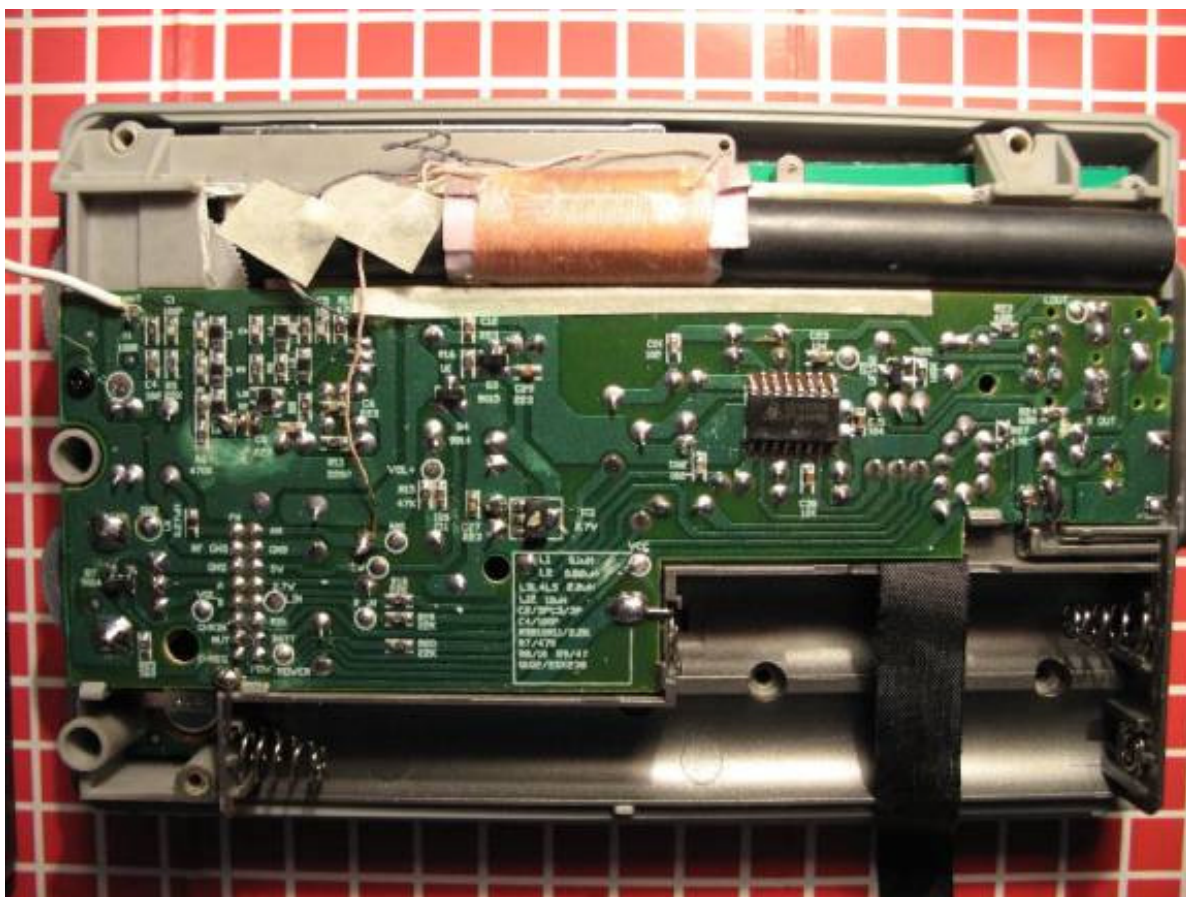
On The Bench

Three back screws allowed rear removal, and then I saw with my own eyes the miniscule size of ferrite antenna bar as commented on by Gary - it is only 3.5mm by 7.5mm in cross section, and 79mm in length, so no way could this be capable of providing any radio with adequate daytime MW sensitivity. Not only that, but the antenna coil turns are wound directly over the ferrite bar without any insulating former, as is normally the case with high impedance AM frequency



overwinds in order to reduce transduced voltage field losses capacitively coupled between the wire at the live end of the coil and the bar surface itself.

I de-soldered the Tecsun antenna coil; temporarily connected up a 3.5"x 3/8" diameter ferrite antenna/ coil from another radio; immediately noticed a significant improvement; and observed good varactor diode tracking across the entire MW band. Then by comparing the new coil inductance with that of the original I measured more than a factor of two difference between readings; the Tecsun coil being lower at circa 250uH. Thus I cannot do other than conclude that either someone at Tecsun, or Silicon Laboratories (the si7434 chip manufacturer), has not done their calculations correctly, because the antenna fitted during manufacture does not come near to optimising the si7434 IC circuit capabilities. Indeed, Gary deBock independently found his PL-380 performed best when its antenna coil was closer to 600uH, this value being outside the range specified by Silicon Laboratories!



With adequate coil inductance the PL-380 performed well across the entire MW band, but it was still poor at Longwave frequencies unless the antenna coil was moved to the centre of the ferrite rod. There was almost 20dB sensitivity difference at 198kHz for that same antenna coil between the centre of the rod and the end position as was necessary for good MW tracking. Thus not only was the original ferrite bar itself too small and the overwind not sufficiently insulated, its inductance was too low for efficient MW transduction, and the LW tuning capacitance too low to be using the same antenna coil. Actually Silicon Laboratories specify a separate and greater inductance coil for LW tuning, so really the Tecsun PL-380 is not properly Longwave capable at all, especially when compared to what we have long taken for granted in this part of the World.

Now I was not seeking supercharged DXing capabilities from such a small set, just a half decent portable capable of receiving regional transmissions from around the British Isles during daylight. Given that the internal ferrite bar really did need to be replaced, I had to get my head round the necessity for some internal surgery in order to fit a larger one. Here the planning was more scary than implementation itself, for removing the original ferrite bar and cutting the plastic 'chassis' proved relatively easy.

The existing ferrite antenna appeared to be held in place by some plastic impact adhesive. Without damaging the original antenna bar or its wire I was able to remove it by very slowly pushing the blade of a terminal screwdriver between it and its mounting bed at the loudspeaker end of the plastic 'chassis'. Over a period of about ten minutes the glue stretched enough to either give way or be undercut with miniature wire cutters.

Then the plastic chassis was nibble cut with the same miniature wire cutters until there was a long slot between where the radio back would be, and the internal metal LCD screen plus the light switch PCB. See photograph showing a slot opening large enough to hold 4" of 3/8" diameter ferrite rod with antenna coil. The bottom of this slot was then lined with fine neoprene foam to keep the new antenna coil from pressing closely against the metal screen.

Next I cut down to 4" a longer length of 3/8" AM antenna rod (make a hacksaw blade notch, face this upwards at the edge of a table, then sharply tap the unwanted overhanging end downwards to snap it off) and fitted the MW antenna coil from a scrap transistor radio. The coil was from a damaged £5:00 Mikomi CT-2388, and this winding is not likely to be bettered by any separately obtained specialist product.

Actually, for those who do not have a ferrite rod either, the 3.5" long Mikomi rod and MW coil work fine, thus that radio represents an inexpensive transplant source. The Mikomi coil also has the higher inductance necessary for optimising PL-380 input sensitivity, whereas coils salvaged from older transistor radios might be less suitable due to these having been manufactured with lower inductance for use with higher value variable tuning capacitors.

http://cgi.ebay.co.uk/MIKOMI-PORTABLE-RADIO-GREAT-VALUE_W0QQitemZ180481975882QQcmdZViewItemQQptZUK_AudioVisualElectronics_PortableAudio_Radios?hash=item2a0590664a

When this coil was measured on a rod away from the radio, its inductance was between approx 500 μ H for end, and 750 μ H for mid positions. However as soon as located within the radio slot, the proximity of the metal LCD screen and loudspeaker frame reduced the antenna coil inductance. Thus there was a need to move the coil down the rod in order to re-establish track tuning alignment when compared to the coil's optimum position as found with the rod being held away from the radio. I loosely set the coil plus rod into the slot previously cut to house it, *with the earthy end of the antenna coil towards the strobe wiring at the light switch pcb*, and then moved the coil up and down the rod whilst watching the S meter in a mirror to establish an optimum position for the coil on the rod.

Unfortunately, not only was antenna sensitivity reduced when the ferrite was close to the internal metal screen and loudspeaker, but background noise levels were increased due to direct digital pick-up from on-board circuitry. When just two inches away from the radio pcb, that same 4" antenna is about 3dB better for both sensitivity and S/N on MW, so clearly Gary's externally mounted antenna represents a much better arrangement for those wishing to optimise stand-alone DX capabilities.

New Performance.

Overall I estimated the MW reception improvement due to antenna replacement as a useful average 10dB above the original, thus providing this little radio with respectable daytime sensitivity for MW listening, even though it remains poor on LW when compared to most other radios. The PL-380 is however good for indicating the presence of night-time split-channel DX reception, even if not being the best to resolve it, because resolution is also impaired by having the ferrite antenna so close to digital circuitry, as revealed by the on-board S/N-ratio meter. Nor is there any substitute for synchronous demodulation when it comes to weak signal AM reception.

The highest signal strength reading indicated here on the Tecsun meter is 63dB in the 10 to 15mV/m fields from MW locals and the 100kW regional transmitter, this appearing to be the maximum reading possible with any powerful signal. The best S/N ratio indicated is 25dB, though in reality it might be better and more like the typical 40+dB with solid state portables (whilst 60+dB has been measured with good tube receivers). However, unless signal strengths are good, completely steady, and not close to 100% modulated, the S/N reading can fall from 25dB to 15dB whilst listening to say a 10mV/m R5-Live broadcast, this with an accompanying low level digital mush just observable on accompanying audio.

At night any fading or fluttering signals, or momentary adjacent channel splatter seemed to induce noise which destabilised and affected reproduction when compared to straight analogue or non DSP digital receivers, though this might have been due to digital feedback into the closely sited ferrite antenna. (See below.)

Another aspect relates to AGC speeds. This is not a dedicated communications type receiver, so whilst the speedy receiver gain degeneration is useful, I feel that gain recovery is too fast for AM listening of fast fading and fluttering carriers, such that dissonance from momentarily unmodulated sidebands could become seriously exacerbated by the radio's tweeter like reproduction, even when a narrow DSP passband is selected. This same 'mush' was apparent and hard to tolerate on SW where the receiver might additionally oscillate if the whip antenna was not fully extended. Strange'?



Not being one to give up I determined it was time to take the back off again to see if anything could be done about the strident reproduction. I removed one screw beside the volume control and two in the battery holder ridge to release the plastic 'chassis' from the radio's front casing. It then became possible to click the USB+phone socket insert away from the front case moulding, and lift that end of the chassis by about 2.5cm (1"). Then I see the loudspeaker, and 'Oh' what a tiny magnet, how shallow it is, and with a plastic cone as well!

Being 16 ohm made me think of inserting a choke in series with the loudspeaker voice coil, plus a capacitor connected directly across it in order to empirically implement a high cut filter. This worked, and sounded most acceptable with values of 1mH (Toko 8RB) and a sub-min 4.7uF electrolytic, but it made the digital noise worse on weak signal reception'? I imagined the possibility of field coupling between the tiny choke and the ferrite antenna on MW, yet the SW oscillation was worse too'?

Treble Cut.

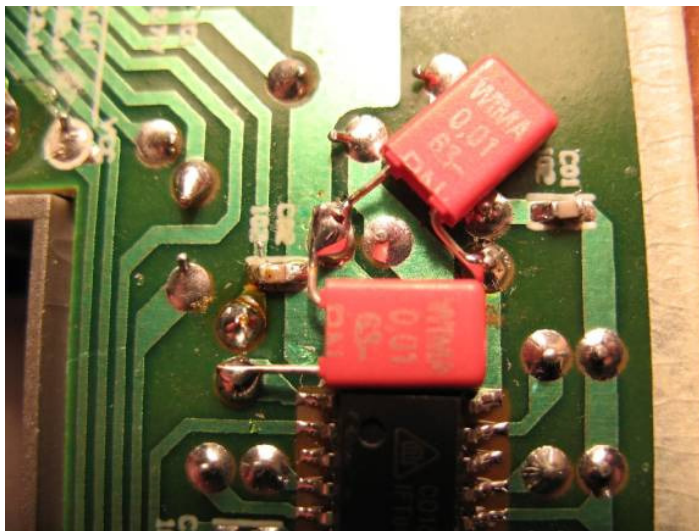
Checking on the Internet I read that the CD1622CB audio IC has input pins of 1 and 9, these being positioned towards the centre of the radio. So it was 'out' with the L+C and 'in' with one 0.01uF (10nF) miniature capacitor between each input pin and the central common ground track.

This simple mod immediately made the PL-380 most acceptable to listen to.

The previously raised hiss/ noise levels during AM fades were no longer so objectionable, and 'YeeHa!' the SW oscillation was completely cured. Clearly there had been an original problem due to inadequate si7434 'line out' filtering between the on-board DACs and the separate audio IC, as if transient potentials superimposed on AF around the audio IC were coupling directly with the thin antenna wire running across the cabinet back to the telescopic antenna. I had already tried positioning this wire to the very top of the cabinet back prior to fitting capacitors to the pcb, but this had not cured the SW oscillation either - it took the capacitors to do that.

It is possible that younger ears than mine might not like the same degree of treble cut I prefer, thus fitting 0.0047 μ F (4.7nF) capacitors might be more appropriate, and ordering two of each value at outset might be worthwhile.

So now, with a new ferrite antenna fitted to the Tecsun PL-380 pocket portable it can hold its own against other radios, and I can enjoy its useful MW performance. It also has reasonable SW plus FM sensitivities for such a short telescopic whip, whilst those two easily added capacitors have made FM so much more acceptable to listen to, it being better still if placed standing with its left side end on to a book, frame or wall. Average modified Tecsun PL-380 reception is equivalent to being about one 'S' point below that on my Sangean ATS-803A, and whilst its DSP works very well, it is still not as good as synchronous demodulation on my modified but so much larger Sangean.



Mission accomplished!

Hi Tecsun, if you are reading this, do please check out the AM antenna specifications for this pocket radio, also its LW track tuning components, because something is very wrong here. The simple modifications described here so much improve this little receiver that you might have an even more popular product - if - it could come straight off your production line with them installed. A Mk2 version would be worth paying more for.

Personally I would prefer ergonomic Up-Down tuning buttons to reduce the need for knob spinning after selecting a SW band (yes, I do realise spot memory frequencies could be stored). Also separate Memory Store and Recall buttons are easier instead of needing to knob spin through all the 'EasyTune' memories via the tuning knob carousel in a manner which then denies subsequent fine tuning without first needing to press yet another button.

Nor have I managed to figure out why my radio keeps flipping into channel change mode whilst I am already fine tuning to search for DX between channels.

Conclusion.

The antenna and capacitor modifications described here turn the Tecsun PL-380 into a most satisfactory MW, SW and FM band pocket portable.

Just a little additional effort has made it a bargain buy, and I am pleased to own it.

MW LOOP USING LITZ WIRE

with Denis Zoqbi,

São Paulo

Some years ago, I have started DXing on Medium Wave initially using a Beverage like antenna, called "BOG" - Beverage Over Ground - coupled directly to an Icom R-75 using its 500 Ohms input.

Using two ground rods, one connected into the receiver and the other one forming the front of the antenna using at least 160 meters of insulated wire lying on the sand of the beach pointed to Africa/Medium East, with a 500 Ohms potentiometer between the wire and the ground rod pounded in the sand, it's adequate for transoceanic DX on MW.

With a little adjustment over the resistance of the potentiometer which gives directivity forward, we can achieve some null to local stations, at the opposite direction, making possible good catches like Botswana, Sudan, Iran, Saudi Arabia and others.

This DXing is especially attractive during the grey line, mainly in Rio de Janeiro sunset. But finding a beach in Rio de Janeiro during summer timer to lay meters of wire around is a big issue

...

So I started researching for a portable antenna that could give me gain and directivity to MW DXing using portable radios, like the old fashioned Sony ICF-2010.



<---Air Core Loop for MW - 100 cm (39 inches) side length of the square with Litz wire coil

The natural answer to this demand is the loop antenna, and that is the start of using and developing air core loops for MW, initially with magnetic coupling to the internal ferrite bar of the portable receiver, then, using a preamp but also magnetic coupling to the loop into receivers like Icom R75 which do not have internal ferrite bar antenna.

Basically there are two different types of loop antennas, one is the ferrite bar (which will be covered in another article), and the other is wound on an air core form like a square. One of the main features of the loop antenna is to be very directional. The pickup pattern is shaped like a figure "8". So, the loop will allow signals on opposite sides to be received, but at the same time off the sides of the loop the signal will be attenuated or even be nulled out. The nulling feature will

allow us to silence a station on a frequency and pick up another one on the same frequency by nulling the unwanted signal.

As a rule of thumb, the larger the loop the more gain it produces. To be effective, a loop antenna needs to be able to rotate to null out a station, which is obviously not possible with long wires or Beverages or its variations.

My first air core loop was made of wood, with the square format, 60 cm length (23 inches). Using enamelled wire (magnetic solid wire of 23 AWG) and an ALPS variable capacitor (made in Japan), it covered the entire MW band – including the X-band – 530 to 1700 kHz. Using both Sony ICF-2010 and a Grundig YB400 PE, gave me lots of loggings some transoceanic, like Saudi Arabia, 1512 kHz, France Info, 1557 kHz, and Caribbean 530/1610 kHz.

But I thought it was not enough since I'm infected with the RF virus...

I think I could reach more signal and null capacity using more area for the loop itself, and raise the Q factor to make it more selective.

But before assembling a new and bigger square loop I tried to wind the loop DZ-60 (*) with Litz wire just to see if should be a difference on its behaviour.

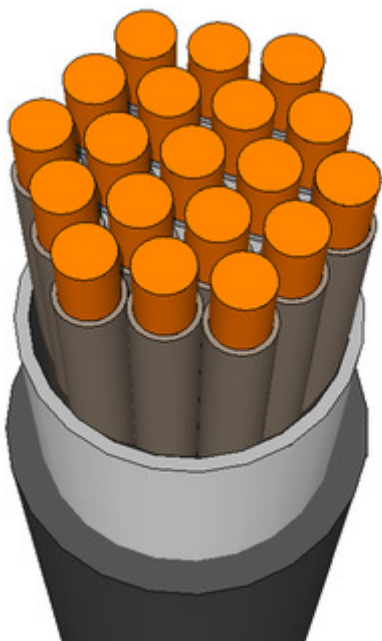
In theory, the coil Wire should be Litz wire made up of multiple strands of thin wire insulated from each other. Not only less skin effect and higher Q, but lower parasitic capacitance is to be expected in the inductor of the loop.

And after have done it at the first try a good surprise!

Using the same ALPS variable capacitor (20-365 pf) and the exactly dimensions and the same number of turns of the winding, it's range became wider, starting at +- 480 kHz up to 1800 kHz.

The broader ranger of the loop antenna using Litz wire is caused by the lower parasitic capacitance produced by the coil itself.

I cannot assure if it provides more signal level, but for sure it is more selective and seems to be capable of nulling better not only adjacent frequencies but especially at the same channel.



<-- Detail of Litz wire: Litz wire consists of multiple strands insulated electrically from each other. Ordinarily the strands are twisted or woven, but no twisting is shown in this diagram

The tuning process is more critical, so a milimetric touch on the knob makes possible to catch a weak station between two channels. Imagine two big power houses in 830 and 850 kHz, and a distant station squeezed in 840 kHz, with Litz wire, it's an easier job.

I am really not concerned to find out the best Litz wire configuration, I mean, my main objective was not to measure the skin effect, or compare both signal level (comparing to the standard solid magnetic wire) but to verify the main practical differences.

For instance, the Litz wire used is made of 22 x 38 AWG which is equivalent to 24 AWG solid wire. It is far from the

ideal to cover the MW band but was the available wire to this experimentation. I also have tested 40 x 37 AWG but practical results looked like similar.

So I assembled a new air core loop using plywood (light weight and well finished) but with 80 cm length (31 inches). But instead of using the magnetic wire, I tried again the same Litz wire.

The results: simply impressive!

No lab measurements needed to observe more gain – according to the bigger area of the loop – less turns (Loop 60 uses 17 turn, 80 uses 14) to achieve same total inductance using the same ALPS variable capacitor.

My first experience showed that results for MW DXing with this loop compared to the original one with magnetic wire and now with even more winding area are very impressive.

Although I have spent more time on testing the proceedings to tune the band in sequence (starting at the 530 up to the end of the band), I've found out that neither channel was quiet, at least, a carrier was able to be heard, not even just background noise.

One relevant note is the quality of the Grundig YB400 PE to MW DXing. I have been using the Sony ICF-2010 and Sony ICF-SW77 for a long time, but, even though the sync-AM of the ICF-2010 is no doubt the cream de la cream for a portable device, the Grundig YB400 is a must on MW.

Excellent selectivity using its narrow filter, better image rejection and high sensitivity, and together with good output audio, makes it a winner for MW DXing.

I have started considering it a real contender in MW DXing when at late night I turned on the radio when almost sleeping on my bed, when I listened to French music very clear and loud in 1557 kHz (France Info), and then, astonished, I have tried other frequencies like 530 kHz (Vision Cristiana) and voilà! Good transoceanic signals just with the internal ferrite antenna. I have tried the Sony ICF-7600G and ... nothing.

Now, my main antenna is this Loop Square-100 Litz, and next try, will be to use it with the Icom R75 using a preamp with magnetic coupling.

Keep on tuned!

(*) The “DZ” is due to Denis Zoqbi, from São Paulo, who was the first to provide me this model, 60 refers to 60 cm side length of the frame. To know more about this antenna and all calculations involved click here. <http://www.sarmiento.eng.br/LoopQuadroOM.htm>

Editor's Footnote: Litz wire can be difficult to obtain. Some manufacturers are:

<http://www.newenglandwire.com/litz.asp> and <http://www.litz-wire.com/> You may need some help from Internet Search Engines and even then you will probably have to phone around to see what is in stock. Another possibility is Amateur Radio suppliers at rallies and shows.

It is possible to make your own from thin insulated wire, but it may be difficult to get a perfect result without cable winding machinery.

For a good theoretical analysis of Litz wire design check out this paper <http://engineering.dartmouth.edu/inductor/papers/litzj.pdf>

500 kHz - The Historical Band

by
Finbar O'Connor, EI0CF

A Winter night, the wind blowing in off the Atlantic, snow on the mountains nearby. Inside, the warm glow from radio equipment in a radio station perched on the edge of Ireland's North coast.

I pulled the Morse key a little closer, peered at the small message notepad on the desk, glanced at the big radio room clock, watching the second hand tick ever closer to midnight. It was the night of the 31st December 1988, a bit of history in the making. Malin Head Radio, callsign EJM was going off the air, for the last time on 500 kHz, and I was the guy rostered to do the honours.

An hour earlier, my fellow Radio Officer, who was manning 2182 kHz and the various VHF channels, glanced at me in surprise as Scheveningen Radio PCH, in Holland, suddenly came up on 500 kHz with a huge signal and announced they were closing down on 500 kHz and 2182 kHz with immediate effect. To say we were surprised was an understatement. Along with Norddeich Radio DAN, in Germany, they were the dominant and most powerful signals on MF. We had long suspected they were running huge amounts of power to a massive antenna. Indeed for a time, Scheveningen Radio had caused us an amount of grief, since they shared our working frequency of 421 kHz and their traffic list broadcast coincided with our 0845 utc weather broadcast.

Imagine how we felt when ships complained that our 1 kW signal was being blotted out by PCH, way off the north west coast. Our signal was not behind the door, we did get out well to the west, north and the south Irish sea, yet we were trounced good and proper by our Dutch friends, who, obviously, had access to transmitter power well beyond what we had available. So we were surprised to find that they had just taken themselves off the air, just like that, 'in an instant'.



EJM

Malin Head Radio, callsign EJM with two 50 metre towers, backup "Tee" antenna for 1.6 - 30 MHz operations. Wire "Tee" antenna strung between the towers for Navtex on 518 KHz.

The main receive antenna is located on the hill seen beyond the station, 1 km distance and fed to the radio station by 600 ohm open wire feeder.

Picture - Finbar EI0CF

During daylight hours 500 kHz provided solid ground-wave coverage, an excellent system for distress coverage.

The provision of numerous coast radio stations, like Malin Head and Valentia Radio, EJK, plus the many thousands of ships all manned by trained Radio Officers, meant that 500 kHz had many many pairs of ears, all listening for any distress, urgency or help, in return.

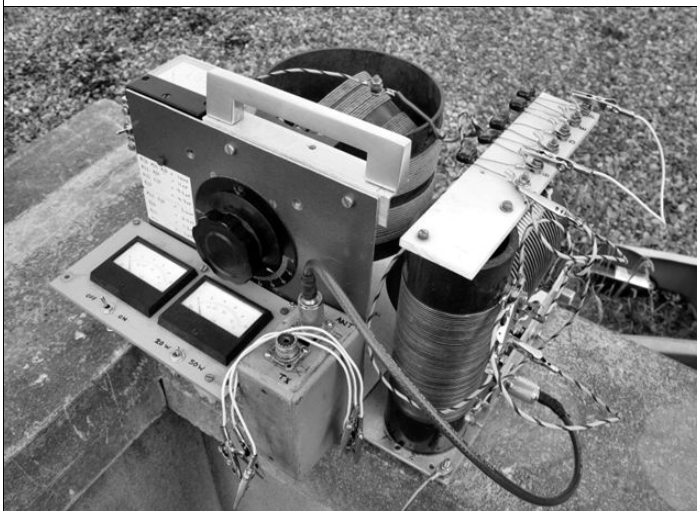
On the 31st of December 1999, all requirements for the use of 500 kHz ceased, many coast radio stations closed down completely and ships were no longer required to have a radio officer. Most ships had already been fitted with satellite communications equipment for distress and normal ships business, supplemented by short range VHF and Digital Selective Calling on 2187.5 kHz, plus the Navtex system of broadcasting weather and navigational warnings on 518 kHz and 490 kHz.

However, those of us who had sailed at sea and served ashore in marine radio, mourned the passing of a service on 500 kHz that had proved it's worth and had helped in the saving of many lives since its inception nearly a hundred years before it's eventual closure.

Down in the transmitter room, or High Tension room, as us old timers called it, the big all valve 500 kHz transmitter blowers whined away, masking the gusts of wind beating against the windows. Two banks of Pye 512 kHz 500 kHz and 421 kHz rigs, main and standby, all nicely lined up. A bright warm glow from one cabinet, the common modulator section for all three channels, was visible through a glass panel. The pair of one foot tall, 4212e Triode valves, the output stage of the modulator, produced 500 watts of audio, at a tone of about 800 hz, to fully anode and screen modulate the final stage of the 1 kW transmitters.

The much smaller SSB transmitters, in a row, at the far end of the room, kept silent and waited in respect for their bigger brother's time in history.

(Continued on page 21)



This picture shows a combined L match 500 kHz ATU, complete with an antenna current meter, a croc clip selection of shunt capacitors, ranging in value from 1 nF to 14 nF. The inductance is readily varied exactly with the ex Decca Variometer of 260 uH and fixed coils, which are also tapped, of 150 uH and 30 uH. This combination of components should match most wire antennas, fed against a reasonable ground.

(Continued from page 20)

Once again I adjusted the Morse key on the 500 kHz desk, the notepad with the close down message was scanned..... again. The 3 minute Silence Period, the time, twice in an hour, when all stations remained just that, SILENT. A chance to hear weak distress calls, from 15 to 18 and 45 to 48 every hour. 2348 utc, a weak CQ from the Black Sea, Bulgaria on the air, then a rapid stream of Morse from Trieste Radio IQX, belting out his traffic list announcement, followed by Mariehamn Radio OHM, up in a frozen Finland, then a gap.

It was time....

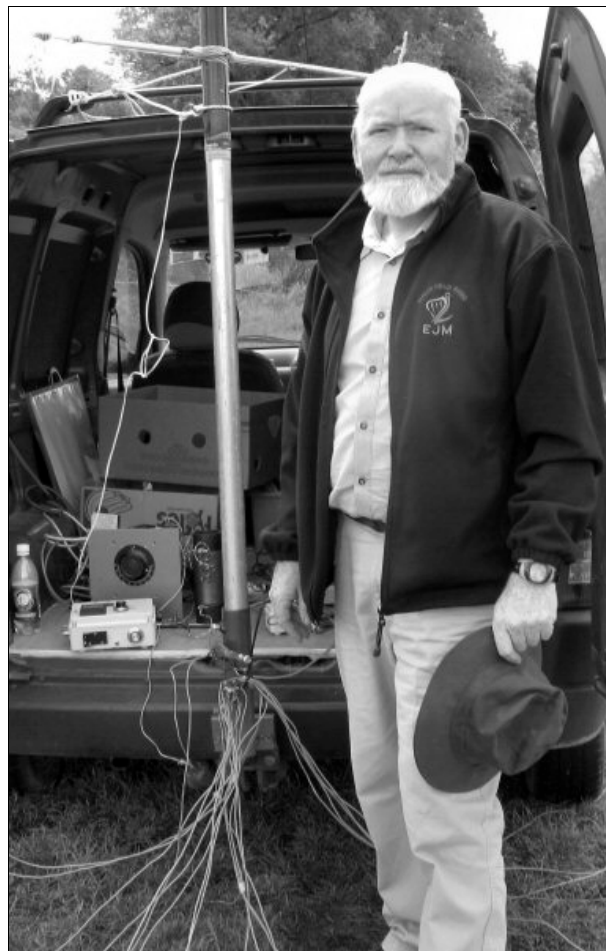
CQ CQ CQ DE EJM EJM EJM

My hand firm on the key, yet inside a mixture of emotions, glad I had been given the chance to send this final transmission, yet very very sad, that we were going off the air on 500 kHz, forever.

The transmission finished, 500 kHz burst to life, ships and coast radio stations, calling, wishing us good luck, thanks for our service over the years, best wishes for the New Year, one even commenting that their time would also soon be upon them.

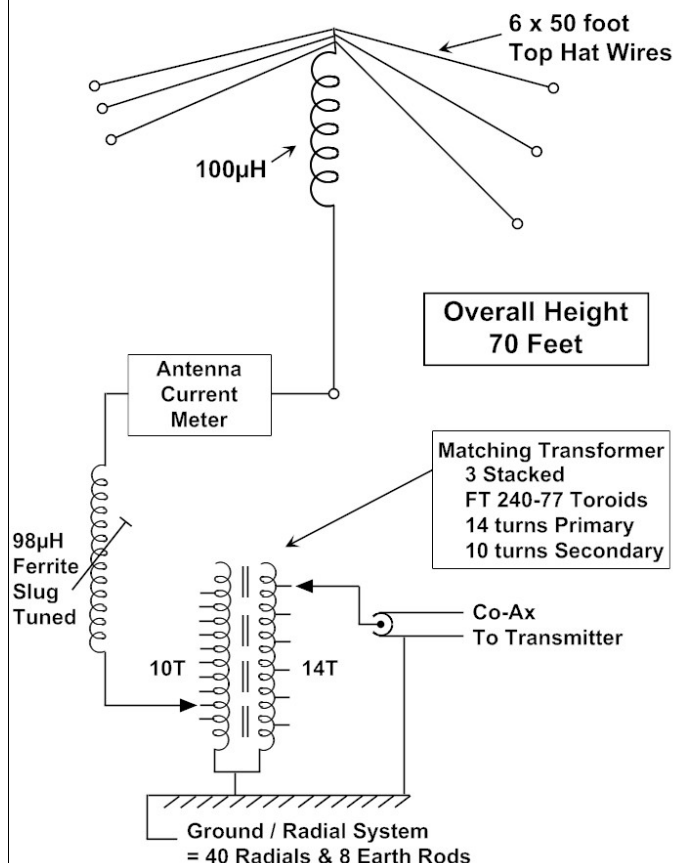
Fast forward to 2008 and the IRTS announces their intention to apply for permission for Irish amateurs to operate near 500 kHz, in the 501 - 504 kHz band.

Permission is granted by ComReg and I dash off my application for a licence. Imagine how pleased I am to receive permission to put a signal out on 501 kHz all these years later. To say that the band has not disappointed is an understatement. It has given me immense pleasure and pride to radiate a signal



Finbar EI0CF at his portable set-up

EI0CF 501 - 504 kHz Antenna



there, once again. Working across the Atlantic to Canada and the USA, to Sweden, Norway, Denmark, Holland, the UK. Cross band, usually to 80m on 3566 kHz, with France, Germany, Ukraine, Finland etc, has been a terrific experience. Ireland is on the air again on MF CW.

I would urge those considering operating on 500 kHz to have a go, it will widen your operating horizons. Don't imagine that Morse will be sent at a very fast speed. It is a most leisurely rate, sent by people who would just love to welcome you aboard and help you reach your new radio destinations.

If digital and data is more of an interest, WSPR is quite popular, and the WSPR programme and help files are easy to download. My reception of weak signals from the UK, Europe and the USA prove it is a viable means for those with low power, small antenna or minimal ERP. Set your receiver to 502.4 kHz USB and let the WSPR programme decode the results. You can then upload what you have received to a common site and those experimenting can see how far their signals are radiating and at what time. Many more countries are joining those already allowed to operate on MF.

Let me take this opportunity to thank the IRTS for their work in making all this possible on 501 - 504 kHz.

Finbar O'Connor, EI0CF
Malin, County Donegal.

NORTH AMERICAN NEWS

✉ Sand Gap, Bursea, Holme-on-Spalding Moor York YO43 4DF

with Andrew Brade

e-mail: na-news@mwcircle.org

Hello again.

Here is what's been happening on the North American AM dial. May I express my gratitude to the organisations which make this summary possible? Thanks this month to: - IRCA, ABDX, NRC DX News, FCC, CRTC, NERW.

I should also mention that the former editor of this column, Barry Davies, often sends me information and items of news that I routinely include without acknowledging the source. Thanks Barry!



- 1180 KYES** Rockville, MN – A new station on the air. 50kW days, 5kW critical hours and nights. It is a religious broadcaster carrying Relevant Radio programming, according to the station web site.
- 1200 WXKS** Newton, MA WKOX has swapped positions with 1430 WXKS. Talk can now be heard on 1200 under the slogan “Rush Radio”, while 1430 is now carrying the Rumba format formerly on 1200.
- 1270 WMKT** Charlevoix, MI – Daytime only power increase from 27 to 50kW.
- 1270 CFGT** Alma, QC – is the latest Canadian AM station to be granted a move to FM by CRTC.
- 1320 WTSJ** Randolph, VT – WTSJ is familiar in Europe more for being referenced on 960 WEAV’s list of stations, but not any longer as the station has been sold. 960 continues to carry “The Zone” sports news, but 1320 now airs a country format.

We begin this month with a news item from NERW about talk stations in New York – Joey Reynolds lost his most recent job as overnight host on WOR (710); the job was already filled thanks to a shift in the city's talk syndication scene. The dominoes started to fall a couple of weeks ago when Citadel took its overnight hours on WABC (770) in-house, replacing Premiere's "Coast to Coast AM" with Doug McIntyre's "Red Eye Radio," based at sister station KABC in Los Angeles. Premiere wasn't about to let one of its flagship shows go without an affiliate in market number one, and its options were relatively limited: there was apparently some talk with Salem's new talker, WNYM (970 the Apple), but the much more desirable option was Buckley's much larger signal at WOR, which will become the new home for George Noory's 1-5 AM show beginning April 5. (Thanks to Barry Davies for passing this on).

There have not been a great number of interesting developments to report this month – Canadian news is quite sparse and most of the US news relates to stations that are not commonly heard in Europe. A couple more Disney stations (1340 WALL, 1390 WEOK) are listed with format changes to oldies, continuing the recent trend. We start, as normal, with the little news that there is from Canada, including the inevitable AM-FM conversion.

CANADIAN RADIO NEWS

980 CJME Regina, SK CJME is adding three 100 kW FM transmitters in Gravelbourg, Swift Current and Warmley, SK.

GRANTED AM TO FM CONVERSIONS

1270 CFGT Alma, QC The CRTC has granted the move of CFGT to 104.5 MHz with 50 kW.

CALL LETTER CHANGES

FREQ	OLD CALL	CITY	NEW CALL
700	WEEL	Dothan, AL	WCNF
780	WHUB	Cookeville, TN	WPTN
850	WRBZ	Raleigh, NC	WKIX
1150	new	Easton, CA	KWDO
1200	WKOX	Newton, MA	WXKS
1210	WQLS	Pike Road, AL	WTXK
1260	KFFF	Boone, IA	KTIA
1260	WNSS	Syracuse, NY	WSKO
1270	KTFI	Twin Falls, ID	KPDA
1390	WADA	Shelby, NC	WOHS
1400	WPTN	Cookeville, TN	WHUB
1430	WXKS	Everett, MA	WKOX

SLOGAN/IMAGE CHANGE OR UPDATE

FREQ	CALL	CITY	SLOGAN UPDATE
1150	KBPO	Port Neches, TX	Radio Vida
1200	WXKS	Newton, MA	RUSH Radio
1230	KKEE	Astoria, OR	1230 the Sports Station
1260	WSKO	Syracuse, NY	The Score 1260
1270	KPDA	Twin Falls, ID	La Ponderosa
1280	KSLI	Abilene, TX	Classic Country 1280
1320	WTSJ	Randolph, VT	Real Country 1320
1330	KWLO	Waterloo, IA	Kool Gold Oldies
1340	KAND	Corsicana, TX	Real Country 1340
1360	WGJK	Rome, GA	Magic 1360
1420	WNRS	Herkimer, NY	1420 The Fox
1470	KYYW	Abilene, TX	Talk Radio 1470
1510	KSPA	Ontario, CA	Southern California Talk
1520	WHIM	Apopka, FL	1520 The BIZ
1540	WKXG	Greenwood, MS	Super Talk Mississippi
1540	KFSD	Escondido, CA	Southern California Talk

FORMAT CHANGES

FREQ	CALL	CITY	OLD INFO	NEW INFO
590	WGTM	Wilson, NC	Black Gospel	Reported Silent
850	WRBZ	Raleigh, NC	Sports	Oldies
920	WURA	Quantico, VA	????	Tejano
930	WIZR	Johnstown, NY	Silent	Country
940	WLQH	Chiefland, FL	Standards	Oldies
950	KSEW	Seward, AK	Silent	Adult Contemporary
960	WFGL	Fitchburg, MA	Religion	Unknown
960	KOVO	Salt Lake City, UT	Regional Mexican	Sports
1060	KTNS	Oakhurst, CA	Silent	Regional Mexican
1070	WSCP	Sandy Creek, NY	Classic Rock	Spanish Sports
1120	WXJO	Douglasville, GA	Oldies	Reported Silent
1150	KCCT	Corpus Christie, TX	Oldies	Talk
1150	KBPO	Port Neches, TX	Silent	Spanish Religion
1180	KGOL	Humble, TX	????	Ethnic
1180	WMYT	Carolina Beach, NC	Contemp. Christian	Religion
1190	WVUS	Grafton, WV	Standards	Religion - EWTN

1200	WXKS	Newton, MA	Tropical	Talk
1200	WTLA	North Syracuse, NY	Adult Standards	Sports
1210	KGYN	Guymon, OK	Country	Classic Country
1230	WJBC	Bloomington, IL	News - Talk	Oldies
1230	KKEE	Astoria, OR	Progressive Talk	Sports - Fox
1230	WIXT	Little Falls, NY	Sports - SNR	Sports - ESPN
1240	WZCC	Cross City, FL	Silent	Oldies
1250	WKDL	Warrenton, VA	Regional Mexican	Religion
1260	WSKO	Syracuse, NY	Sports - ESPN	Sports - SNR
1270	KPDA	Twin Falls, ID	News/Talk	Reg Mex //FM 100.7
1280	KSLI	Abilene, TX	Talk	Classic Country
1310	KIQQ	Barstow, CA	Silent	Regional Mexican
1310	WTLB	Utica, NY	Sports - SNR	Sports - ESPN
1320	WCVG	Covington, KY	Silent	Black Gospel
1320	WTSJ	Randolph, VT	Talk/Sports	Country
1330	KWLO	Waterloo, IA	Standards	Oldies
1340	WALL	Middletown, NY	Radio Disney	Oldies
1340	KAND	Corsicana, TX	Talk/Sports	Country
1340	WALH	Mountain City, GA	Silent	Talk/Standards
1340	WAML	Laurel, MS	Black Gospel	Reported Silent
1360	WGJK	Rome, GA	Standards	R & B
1370	KUPA	Pearl City, HI	Silent	Sports -Fox
1390	WEOK	Poughkeepsie, NY	Radio Disney	Oldies
1390	WFHT	Avon Park, FL	Silent	Talk
1410	KCAL	Redlands, CA	Romantica	Regional Mexican
1420	KSTN	Stockton, CA	Oldies	Silent
1420	WEMB	Erwin, TN	Southern Gospel	Classic Country
1420	WNRS	Herkimer, NT	Sports - ESPN	Sports - FOX
1430	KMBQ	Wasilla, AK	Adult Contemporary	Country
1440	WSGO	Oswego, NY	Standards	Sports - ESPN
1450	KNOT	Prescott, AZ	Classic Country	Oldies
1450	KFSD	Escondido, CA	Standards	Talk
1470	KYYW	Abilene, TX	Classic Country	Talk
1480	KLMS	Lincoln, NE	Oldies	Sports - ESPN
1490	WECM	Milton, FL	Spanish	Silent
1510	KSPA	Ontario, CA	Standards	Talk
1510	WQQW	Highland, IL	???	Adult Standards //WQQX 1490
1520	WHIM	Apopka, FL	Religion	Business
1540	WKXG	Greenwood, MS	Silent	Talk
1540	WRTK	Niles, OH	Contemp. Christian	Fox - //WANR 1570
1570	KUAU	Haiku, HI	Silent	Religion
1590	WZUM	Carnegie, PA	Black Gospel	Reported Silent
1590	KQLO	Sun Valley, NV	Contemp. Christian	Reported Silent

FACILITY AND PARAMETER APPLICATIONS / GRANTS

(A) = application, (G) = grant

540	WLIE	Islip, NY	Asking to nullify the nighttime portion of current CP. They plan 10 kW daytime with existing nighttime facilities of 220 watts. (A)
620	KJOL	Grand Junction, CO	CP dismissed for U2 5000/330. stays U1 5000/79
630	WREY	St. Paul, MN	Applies for U4 2300/2300. (A)
630	WDGY	Hudson.WI	Application dismissed for D3 5500/0. WDGY remains D4 2500/0.
630	WREY	St. Paul, MN	Minor change in facilities 2.3k/2.3K DA(A)
650	WHAN	Powhatan, VA	CP granted for D1 23000/0 CH 14000, relocating to an existing tower at 37-36-57/77-51-25, and moving from Ashland on 1430 kHz. [see related action in "Dismissals"]
680	WAPA	San Juan, PR	CP 10K/10K DA-N minor mod to night pattern (G)
720	KDWN	Las Vegas, NV	50k/50k DA-N (G) - it's not clear what the change is here (AB)
730	WZGV	Cramerton, NC	License to cover. 10k/190 NDA Changes city of License from Shelby, NC (A)
740	WNYH	Huntington, NY	Application dismissed for U4 20000/50. WNYH remains U4 25000/43.

740	WDGY	Hudson, WI	Application for 5k Day dismissed.
780	WPNN	Pensacola, FL	Move from 790 3K/3K DA-2 No nighttime operation on 780 so I assume they will keep their night on 790 ? Co-locate with WEBY 1330(A)
820	KORC	Waldport, OR	Licence to cover 1k/15 NDA and applies for Daytime Power Increase from 1k to 5k NDA (A)
860	WTZX	Sparta, TN	From 1k/10 to 950/11 NDA (A)
880	WMDB	Nashville, TN	License to cover. (A)
910	WUBR	Baton Rouge, LA	Licence to cover: 1.2k/51 DA2 (G)
920	WGNU	Granite City, IL	Amendment to CP . Daytime pattern figures are modified to address concerns of KXEN. (A)
930	KNSA	Unalakleet, AK	CP to increase power to 4.2 KW NDA (A)
940	KTON	Belton, TX	Licensed for U4 1000/5, KTON has applied for U4 600/100 moving to Kaufmann (a move of 87 miles to the northeast) on 950 kHz. With this current action, KTON is operating under an STA with D1 120/0 CH 120 from a temporary, trailer-mounted self-supporting tower containing a folded-unipole antenna.
970	KEEL	Pueblo, CO	Modification of licence to 3.2k/185 NDA(G)
1010	WFGW	Black Mountain, NC	CP granted for U1 47000/90, moving to the WZGM-1350 tower at 35-35-29/82-24-53. Although the power levels were decreased both day and night, they have deleted the directional antenna requirement for both and dropped the former Critical Hours operation. (G)
1010	WCNL	Newport, NH	Application dismissed for U2 10000/1500. WCNL remains U1 10000/37.
1030	WDRU	Creedmoor, NC	Licence to cover 50K DA-d(G)
1050	WSMT	Sparta, TN	From 1k/181 to 950/178 NDA (A)
1050	KCHN	Brookshire, TX	Construction Permit dismissed for U4 410/650. KCHN remains D3 410/0.
1060	WCOK	Sparta, NC	800 Day NDA(A)
1080	WNWI	Oak Lawn, IL	Licence to cover 3K/2.6K DAN(G)
1080	KFXX	Portland, OR	Although the CP disappeared from the FCC's database in December, it seems their proposed change to U4 50000/9000 has been resurrected and remains on the books.
1090	KEXS	Excelsior Springs, MO	CP to 8 KW DA-D (G)
1090	KULF	Belleville, TX	Amends current application to address informal objection from KTEK.(A)
1090	KULF	Bellville, TX	Application dismissed for D5 10000/0 CH 1000. KULF remains D1 250/0 with an application for D4 1000/0 CH 1000.
1090	new	Providence, UT	Applies for U2 5000/250. (A)
1120	new	Yelm, WA	New CP 10K/6K DA-2(G)
1140	KHFX	Cleburne, TX	CP to increase Day and CH power to 15 KW. Add 2 towers to current antenna array (A)
1140	KCXL	Liberty, MO	CP granted for U1 4000/6, boosting day power
1140	KZMQ	Greybull, WY	Application for minor change dismissed. Station wanted to relocated xmtr site and change city of licence to Ten Sleep, WY
1150	KBPO	Port Neches, TX	Coordinate correction to 30-05-04/93-58-13. It seems the FCC entered incorrect data in 1977 and no one has caught the error until now.
1150	new	Easton, CA	New CP (actually 2) 260/5KW. The night site uses 12 towers. It throws a major lobe over Fresno. The other CP is for 700 day 10 KW Night. KWDO calls allocated(G)
1150	WTMP	Egypt Lake, FL	CP for 14K/700 DA-2 Amendment to address concerns of the FCC and modify the day and night parameters and tower layout. (G)
1160	WIWA	St. Cloud, FL	CP granted for U4 11000/500. By adding a third 194' tower to their array, the new day pattern directs a large lobe to the east-southeast with a small blip to the west.
1180	KYES	Rockville, MN	Licence to cover 50K day 8k CH 5k nights DA-2
1190	KQQZ	De Soto, NM	Proposes changing to Class B by adding 1 kW night service to the currently licensed 10 KW

Daytime service. Also wants to change City Of
Licence to Fairview Heights, IL. (A)

1200 WAMB Nashville, TN CP granted for U2 48000/110 CH 3600.
1200 new Chanhassen, NM New CP 1.3K/1 K DA-N(G)
1200 WAGE Leesburg, VA CP for night operation on 1190 was dismissed
26/1/10 for failure to construct facilities,
1.3k DA-N WAGE has sought reconsideration (A)

1210 WQLS Pine Road, AL Licence to cover 10K/5K CH and 30 night.(G)
1210 new Bixby, OK Applies for U7 7500/250 CH 7500. (A)
1210 new Bixby, OK Amend CP night power from 7.5 to 7.2k (A)

1230 WFAY Fayetteville, NC Licence to cover dismissed
1240 WALO Humacao, PR 1k/1k NDA This is their licensed night power.
FCC grants an extension of their STA to
operate at 5kW nights due to interference from
HICA Barahina, Dominican Republic. Station has
been operating on this STA since 1991

1270 WMKT Charleviox, MI CP to 50kW Day (currently 27kW). Night stays
5000 W DA-N. (G)

1270 WNLS Tallahassee, FL Application dismissed for U4 50000/5000. WNLS
remains U2 5000/5000 with a pending
application for U1 5000/110.
1k/500 CH 100 nights (A)

1280 KBOK Arkansas City, KS CP to 1000/70 NDA(A)
1280 KYRO Potosi, MO Licence to cover 23k/1k (G)
1300 KAZN Pasadena, CA CP to 25k/5K DA-2 Amendment to correct typo
error in the night time pattern figures (A)

1310 KTCK Dallas, TX Call sign and License DELETED
1320 WHHO Hornell, NY Extension of Silent Authority (G)
1340 WKCB Hindman, NY 1k/1k NDA (A)
1340 KRLV Las Vegas, NV Applies to move to a new 183' tower while
remaining D1 1000/0. (A)

1360 KNGN McCook, NE Licence to cover 12K/42 NDA(A)
1360 WIXI Jasper, AL 500/20 (G)
1360 WVMC Mt. Carmel, IL Minor change in CP facilities to 1k/1k NDA(A)
1360 KNGN McCook, NE CP to 1K/1K NDA(A)
1400 KFJL Central Point, OR Amend CP to 4.6 kW Night. Station lost their
tower site. This application asks to lower
night power to 4.6 kW DA-N (A)

1410 WNGL Mobile, AL Antenna designation changed from U4 to U3, as
they remain 5000/5000.

1430 KFIG Fresno, CA Applies for U4 50000/5000, increasing the
daytime power. (A)

1430 WBLR Batesburg, SC Licensed for U1 5000/142
1430 WHAN Ashland, VA Application to move to Victoria, Virginia with
D3 50000/0. [see related action in "Actions"]

1430 WCWC Williamsburg, KY Minor change in facilities 5.7k/32 NDA.
Increase from 2.4k Day (G)

1440 WFNY Gloversville, NY U2 5000/500 (G)
1450 WBVA Bayside, VA Licensed for U1 1000/1000, WBVA went silent in
March 2008 when guy wires of their tower
(shared with WVAB below) were vandalized, and
the land owner on which the tower was located
refused to renew their lease. One year later
WBVA resumed operation under a Special
Temporary Authorization from a temporary
antenna with U1 30/30. They have been granted
an extension of that STA until they can secure
a permanent site for a new tower.

1450 new Flora Vista, NM Application for a new station dismissed
1450 KONP Port Angeles, WA U1 1000/910, moving to southwest tower of
former station KIKN-1290. KIKN's license was
cancelled when KKOL-1300 Seattle was granted
U4 50000/47000 in 2008. (G)

1490 WTJV Deland, FL CP to replace downed tower with 85 foot Valcom
Antenna. New Zoning will not allow replacing
with same height that was on this site. (G)

1490 WSFB Quitman, GA 1k/1k. Also requests waiver of Night time
service requirement. Their new site will not
completely cover city of licence. Presently

			has STA for 183 Watts and is also asking for an extension of this STA (A)
1490	KDBM	Dillon, MT	Licence to cover 1K/1K NDA (G)
1500	WPJX	Zion, IL	Licence to cover 250/2 DA-D (A)
1500	KABR	Alamo Community, NM	From 1k to 5k/4.2 K CH & 25 nights NDA. Also change city of licence to Isleta, NM (A)
1520	KYND	Cypress, TX	Application dismissed to add 2 Watts nighttime. KYND remains D3 3000/0.
1540	WKVQ	Eatonville, GA	Licence to cover 10k/1.6k CH NDA (A)
1550	KESJ	St. Joseph, MO	Applies for at U2 2500/500, moving to the site of co-owned KFEQ-680. They propose building four new 164' towers between towers 3 and 4 of the KFEQ in-line array, but not sharing any in the array. (A)
1550	WVAB	Virginia Beach, VA	Licensed for U1 5000/9, WVAB went silent in March 2008 when guy wires of their tower (shared with WBVA above) were vandalized, and the land owner on which the tower was located refused to renew their lease. One year later WVAB resumed operation under a Special Temporary Authorization from a temporary antenna with U1 6/6. They have been granted an extension of that STA until they can secure a permanent site for a new tower. (G)
1550	new	Golden, CO	2 applications for new station 5k/250 DA-N and for 1k/270 NDA
1550	new	Captain Cook, HI	Application for 5K/5 K has been dismissed, then reinstated (G) (Daily Digest says reinstated. Not posted on FCC as yet. -ed)
1550	KMAD	Madill, OK	Minor change to CP. 250/90 NDA (A)
1560	WTOD	Toledo, OH	CP to 1500 DAY/920 CH 30 Nights NDA. Station will remove one tower and go NDA (G)
1560	WRSJ	Bayamon, PR	Construction Permit for U4 10000/5000 is cancelled at the request of the applicant. WRSJ remains U1 5000/750.
1570	KUAU	Haiku, HI	Licence to cover 15K/15K NDA (G)
1570	WTLK	Taylorsville, NC	Licence to cover (G)
1600	new	Billings, MT	New CP 5000/1250 (G)

CONSTRUCTION PERMITS ON THE AIR

730	WZGV	Cramerton, NC	Is now on with U1 10000/190, after moving to, and di-plexing into, the #1 tower of WCGC-1270 plus changing the City-of-License (CoL) from Shelby.
820	WNDB	Nashville, TN	CP for U1 2500/2, adding that nighttime operation.
1180	KYES	Rockville, MN	New station is now on the air with U7 50000/5000 CH 5000 from seven towers (2-day; 6 night; 2-CH).
1210	WANB	Waynesburg, PA	CP for D1 5000/0 CH 710, moving from 1580.
1310	WPLV	West Point, GA	After their tower collapsed, WPLV is now on with U1 1000/25 from a new tower built at the site of the old one. Although the new tower is slightly shorter, the nighttime power is slightly less than the former level of 31W.
1360	WIXI	Jasper, AL	Is now on with U1 12000/42, increasing the day power from 1000 Watts.

LICENCE CANCELLATIONS

1600	WMHG	Muskegon, MI	Licence renewal dismissed. Calls deleted.
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That just about clears my "In Tray" for another month so I'll sign off with best wishes for some good DX all around The Circle.

Andrew

CENTRAL AMERICAN NEWS

with Tore Larsson ✉ Frejagatan 14A, SE-521 43 Falköping, Sweden
e-mail: ca-news@mwcircle.org ☎ +46-515-13702

Costa Rica

1220 TIQ R. Fé y Poder, Puerto Limón ex R. Casino. Radio Casino has sold the frequency to Iglesia Maranatha and is now of FM only.
1360 TIDS R. Radio 1360, San José, ex Celestial
1500 TIASF R. Radio 1500, Sarapiquí
1580 TILG R. Casino, Siguerres, Limón, inactive
1600 TICC R. Radio Cima, Pto Golfito

Christer Brunström, WRTH

Cuba

1620 Rebelde FM heard on this frequency 28.2.2010. Presumably to block WDHP USVI 1620 carrying exile programs. Gerry Bishop and Terry L Krueger via DXLD 4.3.2010

Haiti (?)

590 radio 4VEH (unknown location) reported with ID by Sylvain Naud in Portneuf, Quebec on 3rd April.

Panama

Radio Hit S.A. has surrendered the following two MW freqs:

1080 R. Hit, Chiriquí closed in January 2009
1150 Ecos de Pedasí, Pedasí closed in January 2009

Christer Brunström, WRTH

Puerto Rico

Radio Isla, "Pégala Puerto Rico", news/talk affiliates: 710 WKJB Mayagüez, 1080 WLEY Cayey, 1200 WGDL Lares, 1230 WNIK Arecibo, 1240 WALO Humacao, 1320 WSKN San Juan (flagship), 1460 WLRP San Sebastián, 1490 WDEP Ponce, 1500 WMNT Manatí, 1530 WUPR Utuado, 1550 WKFE Yauco.
www.radioisla1320.com via NRC IDXD 77/20

SOUTH AMERICAN NEWS

with Tore B. Vik ✉ Kirkåsveien 15, NO-1850 Mysen, Norway
e-mail: sa-news@mwcircle.org ☎ +47-69891192

Argentina

1320 Radio Area Uno AM 1320, Caseros, Partido de Tres de Febrero, Provincia de Buenos Aires, unlisted in WRTH 2010, was identified on an audio clip sent in by Jim Solatie, in Finland. A snail mail report sent to the above address earned him a prompt QSL. Jim says he loves the Argentine Postal Authorities for their efficiency! Jim Solatie, Henrik Klemetz

Brazil

540 ZYK322 R. São Sepé, Santo Ângelo (RS02) – ex. R. Sepé Tiaraju web
1060 ZYJ830 R. Regional, Florianópolis (SC130) – ex. R. Central Claudio Moraes
1170 ZYJ498 R. Bom Jesus, Bom Jesus do Itabapoana (RJ49) – ex. 1570 kHz Claudio Moraes
1210 ZYI200 R. SIM Cachoeiro, Cachoeiro de Itapemirim (ES09) – ex. R. Cachoeiro web
1230 ZYN203 R. Estrella de Ibiúna, Campina Verde (MG176) – ex. 1380 CP Claudio Moraes

<u>1320</u>	ZYL204	R. Minas, Divinópolis (MG629) – ex. 1140 kHz	Claudio Moraes
<u>1320</u>	ZYJ255	R. Tropical, Curitiba (PR72) – ex. R. Brasil Tropical	Claudio Moraes
<u>1380</u>	ZYL204	R. Itaí de Rio Claro, Rio Claro (ES21) – ex. 1430 CP	Claudio Moraes

Colombia

1430 HJKU Emisora 14-30 AM, Santafé de Bogotá - Sonríele a Jesús Radio is now re-broadcast Monday to Sunday at 0030-1130 UTC. At other times the station continues with it's regular programming. The station has a website at <http://www.1430amradio.com/>
Rafael Rodríguez via Yimber Gaviria

1570 HJZT Radio Auténtica, Manizales ex Radio Sensación. Now RLG 24h. Belongs to Centro Misionero Bethesda de Cali. Christer Brunström, WRTH, Henrik Klemetz

Peru

1450 R. Manantial de Vida, Cajamarca (CJ36) – ex. R. San Miguel web

The medium wave band in Lima has undergone some impressive changes:

600 OBZ4W R. Cora no longer transmits, their website, with streaming audio, however indicates that may be reactivating Alfredo Cañote via ConDig via finndxer

700 R. Integridad, Lima is a new religious station. It has taken over the frequency previously occupied by Radio 700. The transmissions started on the 19th December 2009. The station has blog page at <http://radiointegridad.blogspot.com/> Radio Integridad blog via finndxer

1040 OBX4O Metropolitana Radio Peruana is new; website at <http://www.metropolitanaradioperuana.com> Alfredo Cañote via ConDig via finndxer

1250 OAX4L Miraflores is in parallel with the FM station (96.1 Mhz); it no longer relays Radio Victory 780 kHz. Alfredo Cañote via ConDig via finndxer

1320 OAX4I Radio La Crónica is in parallel with Radio Nacional on 850 kHz

1360 Radio Nueva Q transmits in parallel with the FM station (107,1 Mhz). Radio Nueva Q has also been logged on 1570 kHz. Alfredo Cañote via ConDig via finndxer

Venezuela

1420 YVZO Radio Marabina, Maracaibo (listed as YVNZ in the WRTH) closed down in December 2009. The Versión final newspaper said the measure was taken unilaterally by the station's owner, Ricardo Patiño, in view of financial problems.

Name shift for Noticias Unión Radio to *Actualidad Unión Radio*. The network is referred to as Circuito Actualidad. Local outlets are announcing Actualidad + frequency when airing local programmes. The sports net maintains its old name, Deportes Unión Radio. Streaming audio at www.unionradio.net/Actualidad/ Both items from Henrik Klemetz

WORLD NEWS

(Europe, Asia, Africa)
with Ton Timmerman

H. Heijermanspln 10, 2024 JJ Haarlem, The Netherlands
e-mail: world-news@mwcircle.org

Belarus

Most Belarus transmitters on MW have been closed, only the following remain: 1008 kHz: Hrodna, 1026 kHz Brest/Miadzel/Salihorsk, 1125 kHz Minsk (*WRTH-update-March*)

Croatia

As of March 01, 2010 Zadar MW transmitter, carrying Voice of Croatia on 1134 kHz instead of 1400-0630 UTC now operates only between 1600 and 2300 UTC. (*Dr.Agan via DXLD*)

Estonia

ERF via Tartu Pereraadio to increase effect from 100 to 200 kW on 1035 kHz. (*ERF Wetzlar via Harald Kuhl via Mediumwave.info*)

Family Radio Tartus on 1035 kHz has been renamed Radio Eli (Eli = My God) due to the wish of Family Radio. Programming on 1035 is shared with TWR. Building will also start soon, weather permitting, of a second transmitter. (*Rumen Pankov via BDXC-UK*)

Germany

SWR Cont.Ra on new MW frequency 1413 kHz in the Ulm area [instead of 711 kHz] from March 10th. (*Wolfgang Bueschel, Germany via Mediumwave.info*)

SWR Ulm Jungingen in AM mode on 711 kHz til March 8th, silent on March 9th, move to new 1413 kHz from Wednesday March 10th, 2010.

SWR Heilbronn Obereisesheim remains on 711 kHz, and will get a new DRM mode capable unit in near future. At present the AM unit is faulty and a lower power reserve unit is in use. I guess Obereisesheim will be used only at night time from 2300 to 0400 UT in DRM mode then ... but furthermore still on AM Mode at 0400-2300 UTC. (*Wolfgang Bueschel via MWDX*)

Antenne Saar is a special German-French information program launched in December 2005 by Saarländischer Rundfunk (SR). The programming consists largely of retransmissions of other SR programs. But every hour during the day there's French language news from Radio France Internationale (RFI), as well as other broadcasts of RFI and Radio France. The transmissions take place in DAB and on Medium Wave on 1179 kHz via 10 kw transmitter in Hausweiler. Up till 2nd of November 2009 the schedule was 7:00-17:00 UTC but it's now expanded to 24 hours. (*RundfunkstationeninDeutschland via UKWTV.de*)

Radio Bremen 936 is off air since the 10th of March, and it seems to be forever as mentioned in a newspaper article. They just test it and if complains are being received they will reconsider. However they have large financial problems and already started to join administration forces with NDR. I suppose very few listen to 936, and I am glad to have one pest less. (*Jurgen Bartels via MWDX*)

Israel

The MW transmitters in Jerusalem on 1080 kHz and 1458 kHz have been closed. 1575 kHz transmitter is reported off the air and 954 kHz is heard with Galei Tzahal programming instead of REQA. (*WRTH-update-March*)

Madeira

Back in Jan'09, the folded monopole used for 531 kHz 10 kW at Pico das Eiras, Porto Santo island, was destroyed in a storm. Being a tower of this type, it meant it could be used as a mast for the VHF-FM antennae too, and it was indeed the case. A new tower for these antennae was erected soon after that. This RTP-radio facility is located west of this island. I have just been informed that the RTP administration decided not to reactivate the MW outlet since full coverage is being accomplished by VHF-FM.

Now it remains to be seen whether the Pico do Areeiro tx 603 kHz 10 kW, Madeira island, has the same fate. The tower collapsed two days prior to the recent sad events in Madeira when floods and mud slides destroyed property and killed some 40 people. Pico do Areeiro is located north of the capital, Funchal. (*Carlos Goncalves via Mediumwave.info*)

Myanmar

Jose Jacob reports in the latest UADX Newsletter: "Myanmar noted today (27/2) on new 693 kHz MW at around 2300 UTC. It's a bad choice as its neighbour Bangladesh is also operating on same channel with 1000 kW. Maybe its to jam their signals?" Jose says he is not sure whether this is an additional TX or a move from a regular channel.

UADX member Sarath Werakoon has meanwhile found this page on the website of Hong Kong-based Broadcast Technology Limited, referring to a project installing a mediumwave antenna and AM transmitter for Myanmar National Radio (MRTV) with BBEF (Beijing Broadcast Equipment Factory). It says the transmitter is 400 kW, and the project was completed in March 2010, so this is presumably what Jose heard. (*UADX Newsletter via Media Network weblog*)

Russia

Radio Mayak 20 kW transmitter in Kazan on 1521 kHz has been closed. Radio Mayak, Surgut 1000 kW is active on 594 kHz. Khristiyanskiy Tserkovno-Obshchestvenniy Kanal / R. Sofiya in Moscow has stopped operation on 1116 kHz. Radio Yunost uses now the name "Yu-FM". (*WRTH-update-March*)

Sweden

Radio Sweden will terminate its medium and short wave broadcasts this October 31st in favour of web services – with Swedish Radio management stating that is the best use of resources and in line with international trends. The English-language service is to continue on the web and on national broadcasts. The Russian output will be available on the web as is the German now.

Among the immigrant languages, Albanian, Assyrian-Syriac and Bosnian-Serbian-Croatian are to be terminated on the same date. Meanwhile, Arabic and Somali – the largest immigrant language groups here at present – are to be boosted. The same applies to Romani – one of Sweden's five official minority languages. The Persian service is to include even Dari spoken by the rapidly increasing number of Afghan refugees coming to Sweden. Kurdish broadcasts remain unchanged. Swedish Radio's output in immigrant languages will be available on the web and broadcast nationally. (*Yimber Gaviria via DXLD*)

Ukraine

These NRKU MW transmitters are reported off the air: Kyiv & Lviv 549 kHz, Lutsk 810 kHz, Dokuchaievsk & Oktiabrsk 1242 kHz, Vinnytsia 1530 kHz and Putyla 1557 kHz. Additionally, two MW-transmitters operate on reduced schedule: Lviv 936 kHz (1800-2300) and Mykolaiv 1431 kHz (1700-2200)

Radio Maiak has restarted transmissions on medium wave from Odesa Petrivka with 70 kW on 765 kHz between 0500-1800. (*WRTH-update-March*)

VOA World MW Schedule

Complete list of MW broadcasts with SW parallel frequencies (from April 2010)

Bangla

1600-1700 UTC 1575 7260 9320

Burmese

0000-0030 UTC 1575 5955 7430 9320
1430-1500 UTC 1575 5865 9320 11910 12120
1500-1530 UTC 1575 Sat/Sun
1530-1600 UTC 1575 5865 9940

Cantonese

1300-1500 UTC 1170 7365 9355

Dari (Radio Ashna)

0130-0230 UTC 1296 9335 12140
1530-1630 UTC 1296 9335 15090 15380
1730-1830 UTC 1296 7595 9335 11580
1930-2030 UTC 1296 7555 7595

English to Europe, Middle East, and North Africa

0100-0130 UTC 1593

English to Africa

0300-0400 UTC 909 1530 4930 6080 9855 15580
0400-0430 UTC 909 1530 4930 4960 6080 9855 12080 15580
0430-0500 UTC 909 4930 4960 6080 12080 15580
0500-0600 UTC 909 4930 6080 12080 15580
0600-0700 UTC 909 1530 6080 12080 15580
1600-1700 UTC 909 1530 4930 6080 15580
1800-1830 UTC 909 4930 Fri/Sat
1830-1900 UTC 909 4930 6080 9850 12015 15580
1900-1930 UTC 909 4930 4940 6080 9850 15580 17895
1930-2000 UTC 909 4930 4940 6080 9850 15580
2000-2030 UTC 909 1530 4930 4940 6080 15580
2030-2100 UTC 909 1530 4930 6080 15580
2100-2200 UTC 1530 6080 15580

English to Zimbabwe

1730-1800 UTC 909 4930 11605 15775 Fri/Sat
1720-1740 UTC 909 4930 11605 15775 Fri/Sat/Sun
1800-1830 UTC 909 4930 11605 15775 (3-language talk show, Live Talk) Fri

English to Afghanistan

0000-0030 UTC 1296 7555
2030-0000 UTC 1296 7555

English to Far East Asia, South Asia, and Oceania

1100-1200 UTC 1575 Sat/Sun
1200-1300 UTC 1170 7575 9510 9760 12075
2230-0000 UTC 1575 Fri/Sat

English-Special

0000-0030 UTC 1593
0030-0100 UTC 1575 1593 7430 9715 9780 11725 15205 15290 15560 17820
0130-0200 UTC 1593 7465 9820 Tues-Sat
1600-1700 UTC 1170 Mon-Fri
2300-2330 UTC 1593 9570 13755 15145
2330-2400 UTC 1593 7460 9570 13755 15145 15340

French to Africa

0530-0600 UTC 1530 4960 6035 6095 9880 13710 Mon-Fri
1830-2000 UTC 1530 6170 9815 17550

Hausa

0500-0530 UTC 1530 4960 6045 9600

Khmer

1330-1430 UTC 1575 5955 11540
2200-2230 UTC 1575 6060 9320 15340

Korean

1200-1300 UTC 1188 5890 7225 9490
1300-1500 UTC 1188 5890 7225 11935
1900-2100 UTC 648 5870 6060 7365

Kurdish

1400-1500 UTC 1593 11645 15130 17750
2000-2100 UTC 1593

Laotian

1230-1300 UTC 1575 9810 11930

Ndebele

1800-1830 UTC 909 4930 11605 15775 Mon-Thu
1740-1800 UTC 909 4930 11605 15775 Fri/Sat/Sun
1800-1830 UTC 909 4930 11605 15775 (3-language talk show, Live Talk)Fri

Pashto (Radio Ashna)

0030-0130 UTC 1296 7555 9335
1430-1530 UTC 1296 9335 15090 15380
1630-1730 UTC 1296 9335 11565 11580
1830-1930 UTC 1296 7555 7595

Persian

1530-1600 UTC 1593 7295 9390 11780
1600-1630 UTC 1593 7295 9840 11780
1630-1730 UTC 1593 6040 9840 11780
1730-1800 UTC 1593 6040 7455 9840
1800-1830 UTC 648 1593 5860 6040 7455
1830-1900 UTC 648 5860 6040 7455

Portuguese to Africa

1700-1800 UTC 1530 11955 12080 15740
1800-1830 UTC 1530 12080 12120 15740 Mon-Fri

Shona

1700-1730 UTC 909 4930 11605 15775 Mon-Thu ?
1700-1730 UTC 909 4930 11605 15775 Fri/Sat/Sun ?
1700-1730 UTC 909 4930 11605 15775 Fri ?

Somali

1600-1630 UTC 88.0 1431 12110 15445

Urdu (Radio Aap ki Dunyaa)

0000-0100 UTC 972 1539
0100-0200 UTC 972 1539 7460 11975
1400-1500 UTC 972 1539 11860 15725
1500-0000 UTC 972 1539

Uzbek

1500-1530 UTC 801 9670 11780 13755 15185

Vietnamese

1300-1330 UTC 1575 5955 9720
1500-1600 UTC 1170 5955 7555 9355

THE HOME FRONT

with John Williams

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BBC News

More DAB transmitters planned

24 March, 2010

The BBC is investing in a further 60 digital radio transmitters as part of its commitment to reach 90 per cent of the UK population. It's the final part of a planned roll-out which started in 2008 and has already resulted in more than 50 additional transmitters being turned on.

It means more than a million additional people will soon be able to receive BBC national digital radio services, although it's currently under review as to exactly how many digital radio services operated by the BBC will still be broadcasting by the end of next year.

The much-needed transmitters will be added both to bring coverage to areas without reception and to improve and reinforce reception where necessary. It is hoped to complete the roll-out by the end of 2011, with the first of the new transmitters coming on-air in the summer.

The plan includes fifteen new transmitters for Scotland, ten new transmitters for Wales, and seven new transmitters for Northern Ireland. (www.radiotoday.co.uk)

Commercial Radio News

Ofcom overlooks Format breach by Club Asia

9 March, 2010

Ofcom has decided not to take any regulatory action after Club Asia breached their licence requirements. The station entered into administration in August 2009. Following this, the station ceased to broadcast its regular output and replaced it with continuous music.

The 'full service' licence for London Asians requires local news bulletins at least once hour during peak times as part of their Format. After an investigation by Ofcom, administrators acting on behalf of Club Asia confirmed that the station was "currently operating at a reduced service" and temporarily in breach of its licence.

Plans were unveiled to sell the licence to a new company called Buzz Asia Ltd, who were keen to re-launch the station and return it to Format compliance as soon as possible – something that can only happen if Ofcom agree the potential new licensee would be in a position to comply with all of the conditions of the licence until its expiry. Once Ofcom was satisfied with the new owners, Club Asia was re-launched as Buzz Asia in October 2009 with the station returning to full compliance of Format requirements.

Ofcom formally recorded this breach against Club Asia but decided that because it went into liquidation and no longer held the licence, it would not be appropriate to take further action. (www.ofcom.org.uk)

Talksport owners predict increase in revenues

23 March, 2010

UTV said the start of 2010, with the build-up to the football World Cup in South Africa this summer was helping boost revenue at its radio subsidiary TalkSport by 16% year on year in the first three months of 2010.

Revenue decline in UTV's local radio stations at GB Radio will be 3% year on year in the first four months. Overall revenues at GB Radio will be up 6% on a like-for-like basis in the first few months of 2010.

The Belfast-based company, which owns 20 radio stations in the UK and Ireland, said that group revenues fell 6% year on year in 2009 to £112m. Pre-tax profits fell by 12.5% year on year.

The company said that total revenue from its continuing radio operations was down about 3% year on year to £68m, about 60% of UTV Media revenues. Overall like-for-like ad revenues at the company's GB Radio division – which includes TalkSport – fell 8% year on year. Irish radio advertising was down 16% on a like-for-like basis. (www.media.guardian.co.uk)

Five FM stations closed **23 March, 2010**

Although not an AM issue the precarious state of the UK radio scene is illustrated by the following. Five radio stations in the South West of England have closed after months of uncertainty over their future ownership. Bath FM, Brunel FM in Swindon, 3TR FM in Warminster and two QuayWest FM stations in Somerset suspended their regular programming yesterday, with all but one of them switching to continuous music.

The stations' former parent company, South West Radio, went into administration last year. Efforts by the new operator, Your Media Communications Group, to take ownership of the station licences were rebuffed by the media regulator, Ofcom.

South West Radio's former licences are now in the hands of the Devon-based administrators Kirk Hills. The owner of another local radio group, Star Radio Cheltenham, has been mooted as a possible new backer, according to a report. (www.guardian.co.uk)

What's on the radio? **23 March, 2010**

Comparemyradio.com, which has absolutely nothing to do with meerkats, is incredibly addictive. The radio station comparison site, launched a few months back by the One Golden Square Labs team at Absolute Radio, analyses the music played on 20 UK stations, measuring it in a nifty "variety gauge" over the past 30 days. No repeats would mean a score of 100%; the average result across the radio industry is a paltry 12%.

You can also see which are the most played tracks and artists, and choose two particular radio stations to compare. It's easy to use, free of adverts, and features a click-through link to listen to any of the stations. (www.guardian.co.uk)

RSL & LPAM News

Details of the football club's broadcasting their home games are as follows:

Football Club	Station	April, 2010	May 2010
Crystal Palace	Palace Radio 1278 kHz	5 Preston* 10 QPR 24 West Brom	Nil
Blackburn	Radio Rovers 1404 kHz	10 Man Utd 17 Everton	1 Arsenal
Rushden and Diamonds	Radio Diamonds 1503 kHz	3 Crawley 10 Ebbsfleet 24 Luton	Nil

*Evening game

The RSL from **Market Radio** for the period 10 February – 9 March was scheduled to be on 1134 kHz – but at the last minute the frequency was changed to **1287 kHz**. (Dave Kenny BDXC-UK)

Radio Tyneside 1575 kHz had Alan Shearer to open the new premises of their award-winning hospital radio station. Radio Tyneside broadcasts to patients in many of the North East's leading

hospitals, including Newcastle's Freeman Hospital, Royal Victoria Infirmary and Gateshead's Queen Elizabeth.

The station's studios were initially based at Newcastle's General Hospital but moved to new premises in North Terrace, near Clarendon Road, Newcastle, more than a year ago. The former Newcastle United star Shearer was delighted to unveil a plaque to mark the official opening of the £60,000 relocation.

Radio Tyneside is a charitable organisation that runs 24 hours, seven days a week, 365 days a year.

EUROLOG

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189	Rikisútvarpid Rás 1+2, Gufuskálar Music Px	333	0543	25/ 1	FW
531	Antena Satelor, Urziceni, Nat. Ant.	222	0257	23/ 2	FW
531	Radio Nacional 5, various, News	333	0300	23/ 2	FW
540	MR1-Kossuth Rádió, Solt, Talk	444	2250	23/ 2	FW
540	Onda Cero Radio Cataluña, Barcelona ,ID, News	222	2300	23/ 2	FW
549	Deutschlandfunk, Nordkirchen, ID, News	555	2300	24/ 2	FW
558	Spectrum Radio, Crystal Palace, Px Radio Fatima	222	0631	25/ 2	FW
558	Radio Slovenija 1, Nemcavci ID, News, Music Px	444	2300	25/ 2	FW
567	Rai Radio 1, various, Nat. Ant.	444	2258	26/ 2	FW
567	România Actualitati, various, ID, News, Music Px	333	2300	26/ 2	FW
576	Radio Christo Botev, Vidin, Talk, Music	222	1656	28/ 2	FW
576	SWR Cont. Ra, B-W., Mühlacker, ID, News	444	2300	28/ 2	FW
585	BBC Radio Scotland, Dumfries, Music (Jazz) Talk	222	2250	1/ 3	FW
585	Radio Nacional, Majadahonda (Madrid) ID, News	444	2300	1/ 3	FW
594	Radio Horizont, Pleven, Classical Music	333	2015	2/ 3	FW
603	Oldiestar, Zehlendorf, Music (Beatles)	222	2250	3/ 3	FW
603	France Info, Tramoyes (Lyon) ID, News	333	2300	3/ 3	FW
603	România Actualitati, various, ID, News	444	2300	4/ 3	FW
612	Radio Nacional, various (Vitoria/Lleida) News	444	2300	5/ 3	FW
621	RTBFI, Waver-Overijse, Music	444	2250	7/ 3	FW
621	Radio Rossii, various, News	222	2305	7/ 3	FW
630	Radio Timisoara, Ortisoara, Px R. Romania Acitualtata	222	2250	8/ 3	FW
630	NRK 1/NRK 2/NRK Møre og Romsdal, Vigra, ID; News	444	2300	8/ 3	FW
639	Ceský rozhlas 2/6, various, Nat. Ant., S/off	444	2300	9/ 3	FW
639	Radio Nacional, various, News	333	2305	9/ 3	FW
648	BBC World Service, Orfordness, Talk	444	20.50	10/ 3	FW
657	Rai Radio 1, various, Football Live	444	2055	10/ 3	FW
666	Antena 1, various, Music Px, ID "Pulse"	333	2310	10/ 3	FW
666	SER Radio Barcelona, Sant Boi de Llobrega, News	333	23.00	10/ 3	FW
675	Radio Maria, Lopik, religious px	444	2030	11/ 3	FW
675	Radio Beograd 1, Bosilegrad, ID, News	222	2300	11/ 3	FW
684	Radio Beograd 1, Bobovište, Folk Music	444	2250	12/ 3	FW
684	Radio Nacional, Dos Hermanas (Sevilla) ID, News	222	2300	12/ 3	FW
693	BBC Radio 5 Live, various, ID, News	444	2300	14/ 3	FW
693	Radio Nacional, various, News	222	2305	14/ 3	FW
702	RMC-Info, Le Col de la Madonne, Px CRI, Music	444	2250	15/ 3	FW
711	România Actualitati, Sighet Maramuresh, ID, Music	222	2250	17/ 3	FW

711	France Info, Rennes-Thourie, ID, News	444	2300	17/ 3	FW
720	WDR 2, Langenberg, ID, News	555	1800	17/ 3	FW
729	Radio Nacional, various, Music	444	0250	21/ 3	FW
729	NET (1st px), Athínai , ID, News	222	0300	21/ 3	FW
846	Radio North, Co. Donegal, EE mx px, adv's	444	2045	19/3	MvA
927	Radio Sim, Evora, Port px	232	2340	19/3	MvA
936	Radio Nacional 5, various, News	222	2305	13/ 3	FW
936	Fresh Radio, Hawes, Infos, Music	222	2310	13/ 3	FW
981	Radio star Country Emyvale; Ads	W	2240	9/3	BB
981	Radio Star Country, Co. Monaghan, EE request px	333	2040	19/3	MvA
1026	Downtown radio Belfast; Phone in	F	2235	9/3	BB
1350	LPAM Radio Nightingale, Rotherham, S Yorkshire, EE ID	242	0730	20/3	MvA
1350	LPAM Hospital Radio Pulse, Redditch, Worcs , EE ID	242	0800	20/3	MvA
1350	LPAM URY, University of York; "URY Jukebox"	242	0720	20/3	MvA
1350	1350 LPAM Radio West Suffolk, Bury St. Edmunds; EE news, ID (thanks to AB for the help to ID this station)	242	0810	26/3	MvA
1449	BBC Radio 4, Redmoss, ID, Talk	333	1850	18/ 3	FW
1449	BBC R4 Aberdeen; "Book at Bedroom"	G	2245	16/3	BB
1458	Sunrise Radio, Brookmans Park, ID, News, Asian Music Px	444	0300	18/ 3	FW
1467	Trans World Radio, Roumoules, Talk	444	2020	16/ 3	FW
1476	Euskadi Irratia, Biribilondo, ID, News	444	0300	15/ 3	FW
1485	AFN Würzburg Primary, Ansbach, Mx, Talk	333	1636	11/ 3	FW
1485	SER Zamora, Zamora, ID, Local and Regional News	333	0259	12/ 3	FW
1485	BBC Radio 4, Brisco, ID, News	333	0400	13/ 3	FW
1485	Gold 1431/1485, Washwater (Newbury) ID, Music	222	0410	13/ 3	FW
1494	France Bleu, Bastia, Music Px	333	0250	11/ 3	FW
1503	BBC Radio Stoke, Stoke-on-Trent, News 5Live	333	0300	10/ 3	FW
1503	Radio Nacional 5, various, News	222	0305	10/ 3	FW
1512	NET (1st px)/ERA 2, Chania, Music Px	222	0310	9/ 3	FW
1521	Gold Digital, Duxhurst, ID, Music	222	0310	8/ 3	FW
1530	Pulse 2, Huddersfield Music, Px, ID "Pulse"	222	0250	6/ 3	FW
1530	România Actualități, various ,Nat. Ant., Choral	333	0259	6/ 3	FW
1539	SER Radio Manresa, ID, "SER Radio", News	333	0300	5/ 3	FW
1548	Forth AM, Colinswell (Edinburgh) ID "Forth AM", Music, Infos	222	2250	2/ 3	FW
1548	Gold, Saffron Green, ID, News, Music Px	444	2300	2/ 3	FW
1548	BBC Radio Bristol, Mangotsfield, Px Five Live	222	2310	2/ 3	FW
1548	Voice of Russia, Talk	222	2320	2/ 3	FW
1557	France Info, Nice-Fontbonne, ID, News	444	0300	2/ 3	FW
1557	Gold 1557, Kings Heath (Northampton) Music , ID	222	0310	2/ 3	FW
1566	County Sound, Peasmarsh (Guildford) Music "Penny Lane"	433	0255	1/ 3	FW
1566	BBC Bristol & Somerset Sound, Taunton, Px Five Live	322	0300	1/ 3	FW
1575	Rai Radio 1, various, Infos, ID	333	2051	26/ 2	FW
1575	SER Radio Pamplona, Music, ID, News	333	0255	27/ 2	FW
1584	Rai Radio 1, Terni, Report	333	1755	26/ 2	FW
1602	Euskadi Irratia R. Vitoria, Cerro Estibaliz, News	333	2300	22/ 2	FW
1602	Euskadi Irratia R Vitoria: Clear ID "Radio Vitoria"	G	1925	6/3	BB

Many thanks to:

- BB Bernard Brown Sutton In Ashfield Notts; Sangean DT-400W *Ultralight*
- FW Friedhelm Wittlieb, Grundig Satellite 700 with martens fram-antenna, Lünen, Germany
- MvA Max van Arnhem, Hoenderloo, The Netherlands; AOR7030+; KAZ 35, 70,160,250,290,340 degrees

The closing date for the next issue is **24 April, 2010** 73's John

DX LOGGINGS

✉ Glackin, 199 Clashmore, Lochinver, Lairg, Sutherland IV27 4JQ, Scotland
with Martin Hall e-mail: dxlogs@mwcircle.org ☎ 01571-855360

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
540	WFLF	Pine Hills FL; "WFLA" ID mixing with CBC	W	0700	25/2	PC
540	WFLF	Pine Hills FL; "WFLF Pine Hills, WTKS-FM ?? Cocoa Beach. We are Fox News. We are 5-40 WFLA"	F/G	0600	26/3	mah
550	WSAU	Wausau WI; "5-50 WSAU Wausau 99.9 WSAU Rudolph" & Fox News	W	0559	27/2	BD
550	WSAU	Wausau WI; "5-50 WSAU Wausau and 99-9 WSAU-FM"	F	0600	25/3	mah
555	ZIZ	Basseterre, St Kitts; BBC World News; nice signal and audio	332	0445	30/1	MDe
560	WGAN	Portland ME; ABC News, weak audio	322	0458	30/1	MDe
560	WGAN	Portland ME; "News Radio 5-60 WGAN", ABC News	F	0700	24/3	mah
560	CMBA	R Rebelde, Moa; typical melody, time and pips	322	0630	7/2	MDe
570	WMCA	New York NY; "AM 5-70 WMCA, New York's Christian talk"	W	0600	16/3	PC
570	WSYR	Syracuse NY; "WSYR Syracuse, it's 2 o' clock" ID	W	0700	3/3	PC
570	CKGL	Kitchener ON; "... only on 5-70 News" heard in the mix	Fpks	0600	25/3	mah
570	CMDC	Radio Reloj, Santa Clara; SS rolling news & "Radio Reloj"	W	0500	4/2	BD
570	XEVX	Villahermosa, México ; after hearing this station many times recently, finally an ID was audible over Reloj: "XEVX 5-70 AM Mass Radio, somos La Grande de Tabasco" followed by Mexican NA; personal first	F	0600	21/3	AB
580	CFRA	Ottawa ON; news	322	0505	30/1	MDe
580	WKAQ	San Juan PR; WKAQ mentioned in programme trailer	W	0600	4/3	PC
590	VOCM	St John's NL; ID	332	2217	29/1	MDe
590	VOCM	St John's NL; VOCM ID heard followed by country music	W	2302	2/3	JW
590	VOCM	St John's NL; with C&W music, "VOCM - depend on it" ID	W/F	0555	12/3	Rha
594		General Arabic Programme, Saudi Arabia; Koran	444	0305	3/3	FW
600	CBNA	St Anthony NL; CBC reports overnight	W	0539	13/3	Rha
600	CMKV	R Rebelde, Urbano Noris; SS ID pips and tuning	322	0700	30/1	MDe
600	CMKV	Radio Rebelde, Urbano Noris; "Rebelde La Habana, emisora de la revolución"	W/F	0500	8/3	PC
600	CMKV	Radio Rebelde, Urbano Noris; info & IS // 670 kHz	F	0200	4.2	BD
610	WIOD	Miami FL; "WIOD, Miami, Fort Lauderdale wiod.com"	W	0600	1/3	PC
612		RTM, Sebâ-Aioun, Morocco; music	222	2310	5/3	FW
620	CKCM	Grand Falls NL; about William R on VOCM	333	0334	30/1	MDe
620	CMBA	R Rebelde, 2 sites listed; SS talks	322	0319	5/2	MDe
650	WSM	Nashville TN; classic country & "WSM Country Legend" anns	W/Fpks	0530	25/2	Rha
650	WSM	Nashville TN; "Now from the heart of America's music city the news and information you need and true country music all day. The Legend"	F	0700	27/2	PC
650	WSM	Nashville TN; country music & "wsmonline.com"	vW	0558	2/3	BD
660	WFAN	New York NY; sports reviews on "WFAN 66"	F	0518	25/2	Rha
660	WFAN	New York NY; "We're on the Fan in New York", sung jingle	F	0600	27/2	AB
660	WFAN	New York NY; traces of sports info	W	0536	13/3	Rha
660	XEAR	La Mexicana, Tampico; "XEAR La Mexicana 5000 WattsTampico"; very difficult copy	W	0700	9/3	PC
670	CMBA	R Rebelde, 2 sites listed; SS talks	332	0533	30/1	MDe

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
670	CMQ	Radio Rebelde, Arroyo Arenas; news	W/F	0700	27/2	BD
670	CMBA	Radio Rebelde, Arroyo Arenas; "Rebelde La Habana, emisora de la revolución"	F	0500	8/3	PC
680	WRKO	Boston MA ; sport	332	0;417	29/1	MDe
680	WRKO	Boston MA; Boston's great talk show "on 6-80 WRKO"	F	0539	26/2	Rha
680	WRKO	Boston MA; "This is Boston's talk station WRKO" & Fox News	W/F	0400	8/3	BD
680	CFTR	Toronto ON; Toronto governments, economics, financials	F/G	0610	27/2	Rha
680	CFTR	Toronto ON; news & comments, "CFTR" anns	W/Fpks	0553	4/3	Rha
680	CFTR	Toronto ON; "6-80 News, Monday 15 March Good Morning, I'm (??) right now in downtown Toronto ..."	F	0600	15/3	JW
684		Alger Chaîne 1, Algeria; reggae music	222	2315	12/ 3	FW
700	WLW	Cincinnati OH; WLW ID	332	0341	30/1	MDe
700	WLW	Cincinnati OH; "WLW News 700" ID, then talk & business	W/F	0615	27/2	Rha
700	WLW	Cincinnati OH; news updates & comments "700 WLW News"	W/F	0550	4/3	Rha
700	WLW	Cincinnati OH; "News Radio 7 hundred WLW Cincinnati" & 11 o'clock WLW news	F	0400	6/3	BD
710	CKVO	Clarendville NL; country music // 590 kHz	F	2301	3/3	JW
710	CMBA	R Rebelde 4 sites listed; very strong SS by OM about culture	433	0540	30/1	MDe
710	CM--	Radio Rebelde, 4 sites listed; "Rebelde La Habana, emisora de la revolución"	W/F	0500	8/3	PC
720	WGN	Chicago IL; WGN ID heard in BBC silence	W	0700	3/3	PC
720	WGN	Chicago IL; "Chicago's WGN Radio 7-20"	F/G	0600	25/3	mah
730	CKAC	Montréal QC; French talks	322	2222	29/1	MDe
730	HJCU	Radio Lider, Bogotá; "la Cadena Melodía de Colombia"	W/F	0400	8/3	PC
730	HJCU	Radio Lider, Bogotá; MOR SS pops "Melodía de Colombia" & "Radio Lider"	W/F	0558	17/3	BD
730	HJCU	Cadena Melodía, SF de Bogotá; pops, SS ID "La Cadena Melodía de Colombia presenta el boletin de las ultimas noticias"	W/F	0700	24/3	mah
740.01	CFZM	Toronto ON; oldies/nostalgia of the 60s; also F 0600 27/2	F	0500	15/3	Rha
740	ZYH446	R Sociedade da Bahia, Fortaleza; "Rádio Sociedade" IDs	W/F	2333	8/3	PC
740	ZYH446	R Sociedade da Bahia, Salvador; PP info mentioning Brazil	W/Fpks	0442	15/3	Rha
750	CBGY	Bonavista Bay NL; CBC news about Iraq	332	2151	29/1	MDe
749.97	CBGY	Bonavista Bay NL; CBC overnight; also on // 600 CBNA	W/F	0510	27/2	Rha
760	WJR	Detroit MI; news reports, comments and talk on "WJR 7-60"	F	0513	27/2	Rha
770	WABC	New York NY; talk before traffic on "WABC 77"	F	0515	25/2	Rha
780	WBBM	Chicago IL; news updates, "WBBM News 7-80"	W/F	0603	27/2	Rha
780	WBBM	Chicago IL; "WBBM sports" & CBS News	W	0659	27/2	BD
780	YVMN	Radio Coro, Coro; "Radio Coro 7-80" & bright LA music	F	0058	12/3	BD
790	WAXY	South Miami FL (presumed); sports reports & news now	W/Fpks	0525	25/2	Rha
790	WAXY	South Miami FL; ESPN sports, "You're listening to WAXY South Miami" & IRN/USA News	W	0558	2/3	BD
790	WTNY	Watertown NY; trailer "... on 7-90 WTNY Watertown"	W/F	0700	3/3	PC
790	WPRV	Providence RI ; professional talk & business in background of CFNW, ID "your station for talk & business AM 7-90 WPRV Providence"; personal first	Fpks	0523	27/2	Rha
790	CFNW	Port au Choix NL; C&W music	F	0521	27/2	Rha
790	CFNW	Port au Choix NL; "... recycling proudly supported by 5-70 CFCB" & VOCM country music	F	0300	10/3	BD

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
790	CFNW	Port au Choix NL; "You're listening to 5-70 CFCB"	W	0600	16/3	PC
800	VOWR	St John's NL; "It's 10:30 and you are listening to radio station VOWR the voice of Wesleyan radio. 8 hundred on your radio dial" & PSAs (Best ever ID for me!)	F	0200	8/3	BD
800	CKLW	Windsor ON; "We're AM 800 CKLW a Chum radio station. It's 2 o'clock" & CKLW news	F	0200	4/2	BD
810	CJVA	Caraquet NB; mx, FF ID "... CJVA information", CP news; equal/over R Scotland	F/G	0600	25/3	mah
820	WBAP	Fort Worth TX; "It's Thursday, February 25 th , 2010. And this is News Talk 8-20 WBAP Fort Worth, Dallas"	W/F	0700	25/2	PC
820	WBAP	Fort Worth TX; "8-20 AM 96.7 FM WBAP Fort Worth Dallas" & WBAP news	W/F	0500	19/3	BD
820	CHAM	Hamilton ON; "Talk 8-20" & CP news	W/F	0700	10/3	BD
820		TBN, St Kitts; "This is the Trinity Broadcasting Network"	F	0700	9/3	PC
830.04	WCRN	Worcester MA; Boston's talk depend on "AM 8-30 WCRN"	W/F	0512	25/2	Rha
830	YVLT	Radio Nueva Sensación, Caracas; SS pops, 1:30 TC & "Radio Nueva Sensación"	W	0602	17/3	BD
840	WHAS	Louisville KY; sports reports & "WHAS 84" ID	W/F	0510	25/2	Rha
840	WHAS	Louisville KY; sung "84 WHAS Louisville" & WHAS news	W	0600	27/2	BD
840	WHAS	Louisville KY; "84 WHAS" jingle	W	0700	27/2	PC
840	4VEH	Cap Haitien; spiritual mx & "Radio 4VEH la voix évangélique"	W/F	0359	27/2	BD
850	WFTL	West Palm Beach FL; "Your WFTL Radio"	332	0504	29/1	MDe
850	WFTL	West Palm Beach FL; news talk "on South Florida's Information Station, WFTL Fort Lauderdale"; personal first	W/F	0620	27/2	Rha
850	WEEI	Boston MA; sports news ID "ESPN Radio" and "espnradio.com"	F	0602	3/3	JW
870	WWL	New Orleans LA; "The Big 8-70 WWL New Orleans"	W	0700	25/2	PC
870	WWL	New Orleans LA; "The Big 87 WWL New Orleans 105.3 WWL FM Kenner" & CBS News	F	0600	7/3	BD
890	WLS	Chicago IL; "This is where Chicago comes to talk. The Big 89" then sung "WLS Chicago"	F	0700	25/2	PC
890	WLS	Chicago IL; "The Big 89 WLS where Chicago comes to talk" & W ABC News		0600	27/2	BD
890	WAMG	Dedham MA; "WAMG Dedham Boston La Nueva Mega"	W/F	0800	28/2	PC
920	KDHL	Faribault MN (pres); "This is Radio America"	W/F	0600	25/3	PC
920	WGHQ	Kingston NY; "This is your station for news (...?) 9-20 WGHQ Kingston, Hudson Valley's Talk Radio"; personal first	W/F	0600	8/3	PC
920	WGHQ	Kingston NY; talk show & "This is your station for news and more, Talk Radio 9-20 WGHQ Kingston, open channel talk radio" (day power?)	W	0458	10/3	BD
920	WGHQ	Kingston NY; "... 9-20 WGHQ Kingston, Hudson Valley Talk Radio"; personal first	W/F	0700	24/3	mah
920	CKNX	Wingham ON; sports commentary from 590 CJCL The Fan Radio Network // 1070, 1310 kHz	W	0255	27/2	BD
920	YVQX	Radio Nueva Esparta, Porlamar; MOR LA music, "Nueva Esparta 9-20 AM" & TC	W	0558	22/3	BD
930	WBEN	Buffalo NY; "Stay tuned to your official winter weather information station. News Radio 9-30 WBEN Buffalo, New York, United States of America"	W/F	0700	25/2	PC

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
930	WBEN	Buffalo NY ; "News Radio WBEN"	322	2320	30/1	MDe
930	CFBC	Saint John NB; oldies	333	2249	29/1	MDe
930.01	CJYQ	St John's NL; "Radio Newfoundland" ID	W	0627	12/3	Rha
936		RTM A, Agadir, Morocco; ID, news	444	2300	13/ 3	FW
940	WINZ	Miami FL; "9-40 WINZ Miami Fort Lauderdale, your home for ... This is the Sports Animal"	W/F	0700	17/3	mah
939.88	XEQ	Bésame, México DF; SS anns, ID "XEQ 9-40 La Q Ciudad de México"	F	0758	2/3	mah
939.88	XEQ	Radio Bésame DF; discos romanticos & "Bésame 9-40"	W/F	0505	27/2	BD
940	XEQ	R Bésame, Mexico DF; "XEQ 9-40" ID	W/F	0700	8/3	PC
950	WWJ	Detroit MI; "Celebrating 90 years of innovation and commitment to South East Michigan, this is News Radio 9-50 WWJ and WWJ HD, Detroit"	W/F	0600	16/3	PC
950	WWJ	Detroit MI; CBS News, then "You're listening to Michigan's only all-news radio station, News Radio 9-50 WWJ"	W/F	0705	24/3	mah
950	CFAM	Altona MB; classical music // weaker 1250 kHz	W/F	0537	27/2	BD
950	CM--	Radio Reloj, 2 sites listed; rolling news, pips, "Radio Reloj" ID	W/F	0800	8/3	PC
950	XETO	Romántica 950, Tampico; "Romántica 9-50" ID and Radorama news from Tamaulipas	F	0500	25/3	AB
980	WTEM	Washington DC; "ESPN 9-80, WTEM Washington, 94.3 FM WWXX Buckland, 94.7 FM WWXT Frederick"	W/F	0700	28/2	PC
960	WEAV	Plattsburgh NY; "This is the zone WEAV 9-60 AM Plattsburgh Burlington and WTSJ 13-20 AM Randolph" & Fox sports. (WTSJ now finished //)	W	0200	4/2	BD
980	WCUB	Two Rivers WI; "WCUB Two Rivers" heard in pile-up	W	0600	27/2	AB
980	HJES	RCN Cali; "RCN Cali" & local Cali news	F	0200	17/3	BD
1000	WMVP	Chicago IL; "WMVP AM and HD Chicago" & ESPN sports	W	0600	2/3	BD
1010	WINS	New York NY; "wins 1010" ID, news updates & comments	W/Fpks	0533	13/3	Rha
1010	CFRB	Toronto ON; news talks	333	2247	29/1	MDe
1010	CFRB	Toronto ON; sport show, ads, "CFRB" anns	F/G	0641	27/2	Rha
1010	CFRB	Toronto ON; ID "From the Newstalk 10-10 broadcast centre in downtown Toronto. It's 2 o'clock"	F	0700	4/3	JW
1020	CMAP	Radio Guamá, Bahía Honda; Young people in conversation, IS & several references to "Guamá"	W/F	0157	7/2	BD
1020	YVMX	Radio Calendario, Maracaibo; bright Latin rhythms & "Radio Calendario"	W/F	0558	17/3	BD
1030	WBZ	Boston MA; talks, ID	332	0003	30/1	MDe
1040	WHO	Des Moines IA; "News Radio 10-40 WHO Des Moines"	W	0601	27/2	AB
1040	WHO	Des Moines IA; "News Radio 10-40 WHO Des Moines" & WHO news	W	0600	10/3	BD
1040	CKST	Vancouver BC; "Team sports", basketball, live sports; // 1410	W/F	0541	27/2	Rha
1050	CHUM	Toronto ON; Toronto's news	332	2251	29/1	MDe
1050	CHUM	Toronto ON; news reports on Toronto "CP24 news"	F	0659	26/2	JW
1060	CKMX	Calgary AB; "You're listening to my favourite station, this is Classic Country AM 10-60" behind XEEP	W	0559	27/2	AB
1060	CMGW	R 26, Matanzas; MOR SS pops & "Esta es Radio Veinte seis"	W	0558	2/3	BD
1060	XEEP	R Educación, México DF; SS talks by XYL // 6185 kHz	322	0232	6/2	MDe
1060	XEEP	R Educación, México DF; "Radio Educación, 85 años, primera radio cultural y educativa de México"	W/F	0700	27/2	PC

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1070	WAPI	Birmingham AL ; “News Talk 100 WAPI Birmingham where the news never stops”; personal first	W	0700	3/3	PC
1070	WAPI	Birmingham AL ; talk show, “News Talk 100 WAPI Birmingham, WAPI FM Helena. The news never stops. News right here right now” & ABC news. (This has been on my “wants” list for decades info looks QSLable!)	W	0255	4/3	BD
1070	WAPI	Birmingham AL (tent) At 0304 ABC News then ad for Ford/Lincoln/Mercury. Then into Neil Boortz Show phone 877-210 2100. Only WAPI and KWEL Odessa-Midland (daytimer) and WINA Charlottesville NC carry Boortz show.	W	0111 -	5/3	SW
1070	WFNI	Indianapolis IN; “This is Indy’s Sports Center – 10-70 The Fan. WFNI Indianapolis”	W/F	0600	15/3	PC
1070	CHOK	Sarnia ON; sports commentary from 590 CJCL The Fan Radio Network // 920, 1310 kHz	W	0255	27/2	BD
1070	CMAM	R Guamá, Pinar del Río; SS ID “Esta es Guamá, la señal sonora de la familia Pinareña”	W/F	0700	17/3	mah
1070	LR1	R El Mundo, Buenos Aires; typical Argentina songs ID at 0701 as " Nacional El Mundo"	332	0635	6/2	MDe
1070	HJCG	Radio Santa Fé. Bogotá; MOR LA mx & “La emisora Santa Fé”	W/F	0258	17/3	BD
1070	YVMA	R Mundial Zulia, Maracaibo; “Mundial Zulia” & MOR LA mx	W	0200	10/3	BD
1080	WMCU	Coral Gables FL; “What a joy, what a blessing, hear the best Bible teaching and Gospel, everyday, it’s WMCU Coral Gables”	F	0600	27/2	AB
1080	WMCU	Coral Gables FL; “Christian talk and teaching ... right place, right here on 10-80 AM WMCU”	W	0600	25/3	PC
1100	WTAM	Cleveland OH; “It’s the big one WTAM 11 hundred Cleveland” & Fox News	W	0600	27/2	BD
1100	WTAM	Cleveland OH; C2C talk on demand also economics	W/Fpks	0617	27/2	Rha
1100.01	HJCN	BBN Radio, Bogotá; OM & YL religious studio conversation mentioning “Colombiano”	W/F	0652	27/2	BD
1110	WBT	Charlotte NC; “WBT Charlotte” OM ID, news; personal first	W	0600	8/2	HP
1110	WBT	Charlotte NC; traces of news & talk programme "WBT" anns	W/F	0529	26/2	Rha
1120	KMOX	St Louis MO; “News Radio 11-20 KMOX. KMOX HD St Louis”	W/F	0700	25/2	PC
1130	KWKH	Shreveport LA; “AM 11-30 KWKH Shreveport” heard equal with WBBR; also G 22/3	F	0700	26/2	AB
1130	KWKH	Shreveport LA; “KWKH Shreveport go to kwkonline.com the Home of the Legends, KWKH Shreveport”	F	0800	18/3	PC
1130	WBBR	New York NY; about Washington	332	0350	30/1	MDe
1130	WBBR	New York NY; “Bloomberg 11-3-0” ID in Euro QRM	W	0600	8/2	HP
1130	WBBR	New York NY; business, “bloomberg.com” web anns	W/Fpks	0555	4/3	Rha
1140	WQBA	Miami FL; SS talks by OM and XYL "Voz de Miami"	332	0431	29/1	MDe
1150	WHBY	Kimberly WI; tlk C2C format “... on WHBY 11-50”	F	0536	26/2	Rha
1150	WHBY	Kimberly WI; “11-50 WHBY ... fox cities” & CBS news	W	0700	27/2	BD
1150	WHBY	Kimberly WI; “This is the voice of the Fox Cities where the news comes first. News Talk 11-50 WHBY, Kimberly, Appleton, Fox Cities”	F/G	0800	18/3	PC
1159.98	WYLL	Chicago IL; Christian talk in fade of Europeans	W	0528	27/2	Rha
1160	WYLL	Chicago IL; “You’re listening to Chicago’s Christian talk AM 11-60 WYLL Chicago” & SRN News	W/F	0600	27/2	BD

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1170	WWVA	Wheeling WV; "This is The Big One ... 11-70 WWVA Wheeling" & WWVA news and weather	W	0500	27/9	BD
1190	WOWO	Fort Wayne IN; "WO WO Fort Wayne. Depend on it"	W	0700	25/2	PC
1190	WOWO	Fort Wayne IN; "on Newstalk 11-90 wowo" then commercial for an Indiana homework help line!	F	0606	27/2	AB
1190	WOWO	Fort Wayne IN; "WOWO Fort Wayne – depend on it!"	F	0800	2/3	mah
1190	WLIB	New York NY; gospel songs, Hallelujah and full address by XYL	332	0355	30/1	MDe
1190	WLIB	New York NY; gospels, ID	W	0600	8/2	HP
1190	WLIB	New York NY; "on your praise and inspiration station 11-90 WLIB" & religious talk	W	0300	19/3	BD
1190	CFSL	Weyburn SK; C&W, ID "... on 11-90 AM"	W/F	0549	27/2	Rha
1190	XETOT	Tampico, Tamaulipas; "Tampico, Taulipas, México", ABC news	W	0602	27/2	AB
1190	LR9	R América, Capital Federal; SS news, ID as "América"	322	0449	29/1	MDe
1190	HJCV	Radio Cordillera, Bogotá; musical flourish and "Radio Cordillera" ID heard – flourish identical to that heard with a better ID in 2009	W	0606	7/3	AB
1200	WKOX	Newton MA (tent); rumba mx xf CFGO; personal first	W/F	0555	8/2	HP
1200	WKOX	Newton MA; "12-hundred WKOX Newton. Boston's new home for Coast to Coast". Same ID with WXKS instead of WKOX heard 4/3	W/F	0700	25/2	PC
1200	WXKS	Newton MA; ID "12 hundred WXKS"	F	0800	2/3	mah
1200	WXKS	Newton MA; "12 hundred WXKS Newton Boston the new home for C2C" & PSAs	G	0600	8/3	BD
1200	CFGO	Ottawa ON; "The Team" ID, 0602 CFGO Sports Radio	W/F	0557	8/2	HP
1200	CFGO	Ottawa ON; sports reports & talk	W/Fpks	0540	4/3	Rha
1210	WPHT	Philadelphia PA; "... WPHT and WPHT HD Philadelphia" in 1215 splatter	W	0700	27/2	PC
1220	WHKW	Cleveland OH; "WHKW Cleveland, WHKZ Warren. (?) news is next on The Word, a service of Salem Communications"	W/F	0700	8/3	PC
1230	WSBB	New Smyrna Beach FL; "This is AM 12-30 WSBB New Smyrna Beach ..." and CNN News	W	0700	24/3	mah
1230	WTKG	Grand Rapids MI ; "West Michigan's talk alternative is AM 12-30 WTKG Grand Rapids". Initially "AM 12-30 ... Grand Rapids" heard but the rest of the ID was clear after listening to webcast	W	0800	18/3	PC
1230	WTIV	Titusville PA ; multiple station ID although the only clear bit was "WFRA AM Franklin ... the Allegheny Talk Sports Network"	W	0700	3/3	PC
1240	WHIZ	Zanesville OH ; "AM 12-40 WHIZ Zanesville"; personal first	Wpk	0800	2/3	mah
1240	WHIZ	Zanesville OH ; "12-40 WHIZ Zanesville" The indistinct 'H' made this a difficult id but many tnx to Jan Alvestad and Kevin Redding for their observations; personal first	W	0700	12/3	PC
1240	CKIM	Baie Verte NL; VOXM IDs	W	0800	16/3	PC
1250	WEAE	Pittsburgh PA; "ESPN WEAE Pittsburgh"	W	0800	2/3	PC
1250	CHSM	Steinbach MB; "This is AM 12-50"	322	2316	29/1	MDe
1260	WMKI	Boston MA; "WMKI HD1 Boston" Disney jingle	W/F	0658	28/2	PC
1260	WPNW	Zeeland MI; "12-60 The Pledge" Yankee Doodle interval sig	W	0800	25/2	PC

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1260	WSKO	Syracuse NY; "You're listening to WSKO Syracuse The Score 12-60", followed by Sporting News Flash	W	0600	26/3	mah
1270	WRLZ	Eatonville FL; "Radio Luz, 12-70" with tropical type music	F	0558	24/3	AB
1270	WXYT	Detroit MI; Detroit spots & SNR sports	W/F	0603	15/3	BD
1280	WFAU	Gardiner ME; multiple IDs including "12-80 WFAU Gardiner" & Fox Sports	W/F	0400	17/3	BD
1280	WNAM	Neenah-Menasha WI; nostalgia music & "You're listening to Wisconsin's lifestyle leader, AM 12-80 WNAM Neenah-Menasha Fox Cities"	W	0557	27/2	BD
1280.01	WNAM	Neenah-Menasha WI (pres); true nostalgia with Bing Crosby song & "Cracklin' Rosie" from Neil Diamond	W/F	0550	27/2	Rha
1280	VS2	Hamilton, Bermuda; "You're listening to BBN on WYFQ FM Wadesboro Charlotte" & US religion	W/F	0400	19/3	BD
1290	WJNO	West Palm Beach FL; "12- 9 0 WJNO ... it's 10 o'clock in South Florida" & Fox News	W	0300	7/3	BD
1290	WHKY	Hickory NC; heard just the ID during QRM silence "This is WHKY"; personal first	W	0359	19/1	HP
1290	WRNI	Providence RI; WRNI IDs	W/F	0000	10/3	PC
1290	CFRW	Winnipeg MB; CFRW ID	322	2326	29/1	MDe
1290	CFRW	Winnipeg MB; oldies & "This is CFRW"	W	0552	27/2	BD
1290	CFRW	Winnipeg MB; usual musical offerings "You're listening to 12-90 CFRW Winnipeg, a CHUM radio station"	F	0559	27/2	AB
1290	CJBK	London ON; ESPN sports & "CJBK AM London is News Talk 12-90"	W	0357	10/3	BD
1290	XEDA	Radio Trece, DF; Mexican NA then "XEDA 12-90 AM, Radio Trece, transmitiendo ... con diez mil watts de potencia"	Fpks	0604	21/3	AB
1290	YVLF	Radio Puerto Cabello, Puerto Cabello; bright Latin music, "Radio Puerto Cabello" & TC	W/F	0605	27/2	BD
1290	YVLF	Radio Puerto Cabello, Puerto Cabello; usual bright Latin rhythms and "Puerto Cabello" ID	F	0602	7/3	AB
1300	WJZ	Baltimore MD; "... WJZ HD3 Catonsville and Baltimore. On line at espn1300.com ... ESPN Radio"; personal first	W	0800	11/3	PC
1300	WOOD	Grand Rapids MI; "News Radio 1300 W-O-O-D"	W	0600	25/3	AB
1310	WLOB	Portland ME; "WLOB news talk for Greater Portland and Southern Maine. WLOB Portland and wlobradio.com"	W/F	0800	28/2	PC
1310	CIWW	Ottawa ON; "CIWW Ottawa 13-10" ID, oldie; personal first	F	0601	8/2	HP
1310	CIWW	Ottawa ON; sports commentary from 5-90 CJCL The Fan Radio Network // 920, 1070 kHz	W	0255	27/2	BD
1310	CIWW	Ottawa ON; oldies; talk in background presumed WLOB	W	0600	4/3	Rha
1320	WBOB	Jacksonville FL; "13-20 WBOB Jacksonville"	W	0800	15/3	PC
1320	WBOB	Jacksonville FL; "You're listening to the best in conservative talk radio on ABC Radio networks affiliate 13-20 WBOB Jacksonville" & ABC News. (Possibly running 50kW?)	F	0600	19/3	BD
1320	WBOB	Jacksonville FL; "You're listening to ... talk radio ... 13-20 WBOB Jacksonville" – heard a few times in the month	W	0600	21/3	AB
1320	WILS	Lansing MI; glimpsed with "13-20 WILS Lansing" & Fox News	W	0500	19/3	BD
1320	CJMR	Mississauga ON; soft pops, CJMR ID at 0600; personal first	W/F	0601	8/2	HP
1320	CJMR	Mississauga ON; Christian pop music, probably "12-50's programme"	W/Fpks	0458	25/2	Rha

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1330	WRCA	Waltham MA; OM ID "WRCA Waltham"	W	0601	8/2	HP
1330	WTRX	Flint, MI ; difficult to copy toth ID "13-30 WTRX Flint, Saginaw and Bay City" followed by ESPN Radio Sports Centre. Matches web ID; personal first	W	0700	24/3	AB
1330	WSPQ	Springfield NY; OM/YL with "WSPQ" call & soft pops	W	0200	10/3	BD
1330	WFNN	Erie PA; "This is Fox Sports Radio, WFNN Erie"	W	0800	2/3	PC
1330	WFNN	Erie PA; "This is Fox Sports Radio WFNN Erie, The Fan" & CNN News	W	0700	10/3	BD
1330	WHBL	Sheboygan WI; sung ID "News Radio 13-30 WHBL"	W/F	0000	10/3	PC
1350	WOYK	York PA; SNR sports talk & "First in York, first in sport (and sung) 13-50 WOYK"	W	0656	27/2	BD
1350	WOYK	York PA; Sporting News. WOYK jingle	W	0700	2/3	PC
1350	WOYK	York PA; "weeknights at 7 on Sports Radio 13-50 WOYK" in LPAM absence; Sporting News Radio programming	F	0506	21/3	AB
1350	CMFL	Radio Ciudad del Mar, Aguada de Pasajeros ; "Esta es CMFL, Radio Ciudad del Mar"; personal first	F	0500	22/3	AB
1358.97		CNR1, multiple sites listed; pop music before CC info & tlk	W/Fpks	1532	26/2	Rha
1360	WDRC	Hartford CT; "Talk of Connecticut WDRC" OM ID	W/F	0600	8/2	HP
1360	WTAQ	Green Bay WI; "... Michael Savage weeknights at 5 on 97.5 1360 News Talk WTAQ"	F	0700	27/2	PC
1370	WDEA	Ellsworth ME; "AM 13-70 WDEA Ellsworth. A Cumulus station" & CBS News	F	0300	9/3	BD
1370	WXXI	Rochester NY ; weak behind WDEA "This is WXXI AM Rochester and WXXI FM HD-2 Rochester"; also weakly on 14/3; personal first	W	0500	21/3	AB
1370	UNID	ESPN Radio	W	0800	4/3	PC
1380	WMYF	Portsmouth NH; "This is your home for America's best music, AM 13-80 WMYF (location?), Portsmouth"	W/F	0800	16/3	PC
1380	CKPC	Brantford ON; "the music continues on CKPC" & soft pops	W	0616	22/3	BD
1390	WLCM	Holt MI; "Over 30 years of Christian programming for Lansing. Victory 13-90 WLCM Holt Lansing"	W/F	0600	25/2	PC
1390	WLCM	Holt MI; "WLCM - Victory 13-90" heard in usual poor mod	W	0600	25/3	AB
1390	WRIG	Schofield WI; "WRIG Schofield Wausau, a service of Midwest Communications"	W.F	0600	10/3	PC
1410	WPOP	Hartford CT; ESPN Radio ID, WPOP news ID	W/F	0602	8/2	HP
1410	WMYR	Fort Myers FL; "...WCNZ Marco Island (...?) and WMYR Fort Myers"; muffled audio	W/F	0700	28/2	PC
1420	WDJA	Delray Beach FL; "14-20 AM WDJA Delray Beach, Boca Raton"; tnx Barry McLarnon	W	0700	9/3	PC
1420	WOC	Davenport IA; "News Talk 14-20 WOC, Davenport Quad Cities"	W	0700	25/2	PC
1420	WOC	Davenport IA; "News Talk 14-20 WOC Davenport Quad Cities, G a member of Clear Channel Worldwide. The news starts now"		0600	25/3	mah
1420	KTOE	Mankato MN; "KTOE Mankato" jingle	W	0800	27/2	PC
1430	WLKF	Lakeland FL ; briefly rising over WENE "14-30 WLKF Lakeland, <how Lakeland?> spells talk, W-L-K-F"; personal first	W	0600	20/3	AB
1430	WXNT	Indianapolis IN; "Fox News Talk 14-30 WXNT Indy's home for Fox News"	W	0800	27/2	PC
1430	WNSW	Newark NJ; toth ID "WNSW Newark and WNYG Babylon"	F	0700	7/3	AB

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1430	WNSW	Newark NJ: soft SS contemporary Christian music & "14-30 AM WNSW Newark New York City and 14-40 AM WNYG Babylon New York" (Running 7 kW now?)	W/F	0258	10/3	BD
1430	WNSW	Newark NJ; "14-30 AM WNSW Newark, New York City"	W	0600	23/3	PC
1440	WVEI	Worcester MA; "Sports Radio 14-40 WVEI AM Worcester"	W/F	0600	26/3	mah
1449		Voice of Great Homeland, Misurata, Libya; music px	333	2310	20/3	FW
1450	VSB1	Hamilton Bermuda; "AM 14-50 Gold", nostalgia & CNN News	W	0157	4/3	BD
1450		R El Sol, Capital Federal, Argentina; SS comments by OM and romantic songs; ID at 0700 "El Sol"	322	0656	6/2	MDe
1460	WDDY	Albany NY; R Disney pops // 1560 kHz	W/F	0600	8/2	HP
1460	WHIC	Rochester NY; spiritual music, OM with "The station of the cross" & YL with "14-60 AM WHIC Rochester"	W	0558	15/3	BD
1460	WHIC	Rochester NY; "Thank you for listening to 14-60 AM Rochester, proclaiming the ?"	W	0500	22/3	AB
1470	OAU4B	CPN Radio, Lima; ID "en C-P-Nee Radio" just before the QRMF from France on 1467 started		0458	18/3	HP
1470	WLAM	Lewiston ME; 60s oldie, WLAM OM ID	W/F	0452	3/2	HP
1470	WLAM	Lewiston ME; oldies channel	332	0527	7/2	MDe
1470	WLAM	Lewiston ME; oldies noted	W/F	0446	15/3	Rha
1470	WLAM	Lewiston ME (presumed); oldies "True Love"	F	0503	16/3	JW
1470	WBKV	West Bend WI; "Classic Country, WBKV, West Bend"	W	0600	19/3	PC
1470	XEAI	Radio Fórmula, México DF; "Radio Fórmula, Cadena Nacional"	W/F	0700	2/3	PC
1470	YVSY	R Vibración, Carúpano; Vibración ID	332	2345	29/1	MDe
1480	WSAR	Fall River MA; "The local news station, AM 14-80 WSAR"	F	0506	21/3	AB
1480	WHBC	Canton OH; "News Talk 14-80 WHBC Canton"	W	0800	27/2	PC
1480	WHBC	Canton OH; "News Talk 14-80 WHBC" ID heard weakly in pile-up	W	0600	21/3	AB
1480	WLMV	Madison WI; "La Movida 14-80 AM"	W/F	0700	25/2	PC
1490	WBAE	Portland MA; jumbled ID mentioning WBAE, WVAE and Portland then CNN news. Later "AM1400 and 14-90 Advice for Life, on line at am1400and1490.com"	W	0500	21/3	AB
1490	WMRN	Marion OH; "14-90 WMRN Marion Fox News Radio"	W	0800	8/3	PC
1500	WFED	Washington DC; "WFED Washington" ID	F	0559	8/2	HP
1500	WFED	Washington DC; ID "federalnewsradio.com" and "WFED" hrd	F	0700	24/2	JW
1500	WFED	Washington DC; talk on "Federal News Radio"	W/Fpks	0553	12/3	Rha
1500	WFED	Washington DC; ID in ad, CBS News weekend roundup	F/G	0503	14/3	HP
1500	WLQV	Detroit MI; religious studio talk & "WLQV Detroit" glimpsed	W	0600	15/3	BD
1500	WLQV	Detroit MI; "This is Faith Talk 15-hundred WLQV Detroit. A service of Salem Communication"	F/G	0800	18/3	PC
1500	XEDF	R Fórmula, México DF; "Radio Fórmula" ID	322	0701	6/2	MDe
1500	XEDF	Radio Fórmula, México City, DF; "Fórmula noticias" followed by Mexican NA	F	0558	21/3	AB
1510	KCKK	Littleton CO; "Mile High Sports Radio 15-10, Colorado's sports leader. 15-10 KCKK Littleton Denver"	W/F	0600	25/2	PC
1510	WWZN	Boston MA; "Revolution Boston" ID	F/G	0534	8/2	HP
1510	WWZN	Boston MA; sports with talk of Superbowl	W/F	0525	13/3	Rha
1510	WLAC	Nashville TN; "News Radio WLAC and WLAC HD3 Nashville, your home for Fox News. It's 1 o'clock" & Fox News	W/F	0600	15/3	BD

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1520	WWKB	Buffalo NY; "Voice of the new majority" ID, talks	F/G	0533	8/2	HP
1520	WWKB	Buffalo NY; ID "15-20 AM" heard followed by ads	F	2324	26/2	JW
1520	KOKC	Oklahoma City OK; "Remember, you're listening to News Talk 15-20 K-OKC Oklahoma ..."; mixing/equal WWKB	F	0800	2/3	mah
1520	HJLI	JC Radio, Bogotá; Christian pops & "Jay See Radio"	F	0656	8/3	BD
1521		General Arabic Programme, Duba, Saudi Arabia; talk	444	0250	8/3	FW
1530		Voice of America, Pinheira, São Tomé; Yankee Doodle, ID "Voice of America"	211	0300	6/3	FW
1530	WCKY	Cincinnati OH; "This is 15-30 WCKY, the 50,000 watt orange and black home of the Cincinnati Bengals"	F	0800	2/3	mah
1530	WCKY	Cincinnati OH; religious studio talk & "This is 15-30 WCKY the 50,000 watt orange and black home of the Cincinnati Bengals, Cincinnati's ESPN Radio"	G	0558	15/3	BD
1530	WCKY	Cincinnati OH; "home of the Cincinnati Bengals ... Cincinnati ESPN 15-30"	W	0700	15/3	PC
1539		Radiodiffusion Vision Djibouti, Djibouti; music	222	0310	5/3	FW
1540	KXEL	Waterloo IA; "... KXEL, Waterloo Cedar Falls"	W	0800	27/2	PC
1540	KXEL	Waterloo IA; "Iowa's news and talk station News Talk 15-40 KXEL Waterloo Cedar Falls"	F	0800	14/3	mah
1540	WDCD	Albany NY; religious studio talk & "50.000 watts of Christian talk, WDCD Albany"	F	0158	22/3	BD
1540	ZNS1	Nassau, Bahamas; talk show disclaimer on behalf of "the Bahamas Radio Network" & Calypso/Reggae music	F/G	0554	19/3	BD
1550	CBE	Windsor ON; CBC News	W/F	0602	8/2	HP
1560	WQEW	New York NY; Disney music	332	0541	7/2	MDe
1560	WQEW	New York NY; R Disney pops	F	0536	8/2	HP
1560	WQEW	New York NY; Radio Disney pop nonstop // 1650 WHKT	F/Gpks	0518	26/2	Rha
1560	WQEW	New York NY (presumed); Disney pops	W	0702	2/3	JW
1560	WQEW	New York NY; Radio Disney pop music ID "Radio Disney new pop WQEW"	F	0540	20/3	Rha
1560	KGOW	Bellaire TX; strong "only independent ..." ID as reported last month, offset at 1559.93 kHz	G	0600	27/2	AB
1560	KGOW	Bellaire TX; "..... sports radio station in Houston. KGOW, 15-60 AM Bellaire Texas"	W	0800	27/2	PC
1566		TWR Benin; FF religious talk by OM	F/G	2204	3/2	HP
1566		Trans World Radio, Parakou, Benin (tent); talk, ID "TWR ?"	211	0310	1/3	FW
1566		AIR Nagpur; local Indian songs	332	1914	25/1	MDe
1566	HLAZ	Cheju; typical incoming melody ID from Korea	332	1903	25/1	MDe
1570	WFLR	Dundee NY; "15-70 WFLR, Dundee, Watkins Glen ??"	W	0800	11/3	PC
1570	CFAV	Laval QC; French talks	332	0349	29/1	MDe
1570	CFAV	Laval QC; "Boomer" ID, FF news, oldies	W/F	0600	8/2	HP
1570	CFAV	Laval QC; pop music & FF anns	W/Fpks	0447	25/2	Rha
1570	CFAV	Laval QC; Bonnie Tyler oldie, "Boomer" ID	W/F	0510	11/3	HP
1570	XERF	La Poderosa, Cd Acuña; SS music and talks by Mexico	332	0550	29/1	MDe
1570	XERF	Ciudad Acuña; "XERF" mentioned in address and telephone no.	W/F	0700	27/2	PC
1570	XERF	La Poderosa, Cd Acuña; SS ID "La Poderosa 15-70"	W/F	0758	14/3	mah
1580	CKDO	Oshawa ON; "15-80 CKDO" ID, Simon & Garfunkel oldie	W/F	0601	8/2	HP
1580	HJQT	Candela Estereo, Bogotá; "Esta es Candela Estereo"	W/F	0500	8/3	PC

kHz	Call sign	Station, location; details heard etc	SIO	UTC	Date	Who
1580	HJQT	Radio Candela, Bogotá; lively Latin American rhythms & “Candela es verde. Solo para mayores de edad”; thanks to Henrik Klemetz for the transcription. HK tells me this is a men only station which carries smutty jokes and puns. Candela verde means a hot sordid woman! A technique to grab a listener’s attention wow!	F/G	0643	8/3	BD
1590	WAKR	Akron OH; “15-90 WAKR, Akron’s news authority”	W	0700	28/2	PC
1600	WUNR	Brookline MA; SS talks	332	0636	30/1	MDe
1600	WUNR	Brookline MA; “This is WUNR 16 hundred AM Radio International Brookline” & SS MOR pops	F	0600	6/3	BD
1600	WAAM	Ann Arbor MI; “WAAM Ann Arbor” ID	W	0700	3/3	PC
1600	WAAM	Ann Arbor MI; “You’re listening to Talk 1600, WAAM Ann Arbor”	F	0700	24/3	AB
1600	WWRL	New York NY; glimpsed with YL “16 hundred WWRL” & OM vW “New York an access one communications radio station.”		0700	4/3	BD
1610		Caribbean Beacon, Anguilla; YL preacher	F	0430	3/2	HP
1610		Caribbean Beacon, Anguilla; OM preacher; also F/G 0512 10/3	F/G	0527	5/3	HP
1620	CM--	Radio Rebelde; SS news // 670 kHz	F	0700	27/2	PC
1620	CMBA	R Rebelde, unknown location; SS talk about revolution, ID; personal first	G	0529	5/3	HP
1620	WDHP	Frederiksted USVI; full OM ID, but not the usual ID loop	W/F	0601	21/2	HP
1620	WDHP	Frederiksted USVI; full formal ID	F	0600	3/3	PC
1620	WDHP	Frederiksted USVI; BBCWS ID	G	0524	5/3	HP
1620	WDHP	Frederiksted USVI; BBC World news reports. ID OM “You are listening to WDHP 16-20 AM .. The Powerhouse of the Eastern Caribbean”	G	0558	24/3	JW
1630	WRDW	Augusta GA; ABC News, SNR ID	W/F	0603	21/2	HP
1630	KCJJ	Iowa City IA; instrumental pop, OM ID “16-30 K-C-J-J”; personal first	W	0359	19/1	HP
1630	KCJJ	Iowa City IA; “This is Coralville’s 16-30 KCJJ Iowa City Coralville” & KCJJ news	W	0600	15/3	BD
1630	KRND	Fox Farm WY; SS talk “La Grande” IDs	W	0700	27/2	PC
1640	WTNI	Biloxi MS; “14-90 WXBD Biloxi, 16-40 WTNI Biloxi The Team ESPN Radio”	W/F	0700	27/2	PC
1640	WTNI	Biloxi MS; Mike and Mike in the morning on ESPN Radio	W	0524	14/3	HP
1640	WTNI	Biloxi MS; “ESPN Radio” in sports talk	W	0603	18/3	JW
1640	KFXY	Enid OK ; “16-40 KFXY The Score”	W	0500	10/3	PC
1640	WKSH	Sussex WI; “This is WKSH and WKSH HD Sussex Milwaukee” & Radio Disney pops	W	0559	15/3	BD
1650	CINA	Mississauga ON; Indian mx and OM with “CINA” (one word)	W	0603	20/3	JW
1650	CJRS	Montréal QC; FF news about Obama, “Radio Shalom” ID	F	0506	11/3	HP
1660	WCNZ	Marco Island FL; “The Avenue 14-10 & 16-60” ID, Dave Brubeck jazz	F	0600	21/2	HP
1660	WCNZ	Marco Island FL; “WCNZ Marco Island Naples WMYR Fort Myers” & jazz songs	F	0600	6/3	BD
1660	WCNZ	Marco Island FL; jazzy type music OM with ID “WCNZ Marco Island WMYR Fort Myers ...”	F	0600	9/3	JW
1660	WBCN	Charlotte NC; “America’s talk 16-60 WBCN and HD ... Charlotte” & Fox News	W	0700	9/3	BD

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1660	KRZI	Waco TX; "16-60 ESPN Radio KRZI Waco Temple Killeen Fort Worth" & ESPN sports	W/F	0300	10/3	BD
1670	WFSM	Dry Branch GA; ID "Dry Branch, Macon, Fox Sports 16-70 "	W/F	0600	21/2	HP
1670	WFSM	Dry Branch GA; "WFSM Dry Branch Macon, Fox sports 16-70"	W/F	0559	24/2	BD
1680	WOKB	Winter Garden FL; PSA for Orlando, ad, modern gospel	F	0529	11/3	HP
1680	WOKB	Winter Garden FL; programme promo "... on the early retirement and inspiration station WOKB" & religious soul mx	W/F	0604	19/3	BD
1680	WOKB	Winter garden FL (presumed); OM talk with numerous "Hallelujah's" and fast talking	W	0159	25/3	JW
1680	KRJO	Monroe LA; "KRJO Monroe, West Monroe, Grambling (?). Old Skool 16-80 AM. We are the Radio People"	F	0502	21/3	AB
1690	WPTX	Lexington Park MD; YL with "Southern Maryland's news talk 16-90 WPTX" & CNN News	W/F	0300	2/3	BD
1690	WPTX	Lexington Park MD; ID "Maryland's Newstalk station 16-90 WPTX", CNN News	F	0500	14/3	HP
1690	CHTO	Toronto ON (presumed); Greek talk? YL with "16-90"	W	0558	22/3	JW
1690	CJLO	Montréal QC; talks, ID "CJLO 16-90 AM"	W/F	0502	11/3	HP
1700	WEUP	Huntsville AL; "We're 17 hundred WEUP ..." & hot gospel	F	0200	8/3	BD
1700	WEUP	Huntsville AL; gospel mx, ID "WEUP The Peoples Station"	F/G	0527	10/3	HP
1700	WJCC	Miami Springs FL (tent); FF tk, local pop & gospel mx	W/F	0600	13/2	HP
1700	KVNS	Brownsville TX; "Oldies Radio 17-00 KVNS ", 70s oldies	G	0607	21/2	HP
1700	KVNS	Brownsville TX; oldies but goldies noted	W/F	0520	26/2	Rha
1700	KVNS	Brownsville TX; "Playing the greatest hits of the 60s and 70s this is classic hits 17 hundred KVNS Brownsville and the Rio Grande Valley" & oldies	F	0300	10/3	BD
1700	KVNS	Brownsville TX; "60's and 70's never sounded so good Seventeen hundred KVNS"	F	0200	17/3	JW

Loggings older than 3 months, mainly from checks of Perseus recordings. All the logs below are from reception in 2009.

567	JOIK	NHK1, Sapporo; totally dominant w OM announcer // 594 kHz	423	1300	6/11	TB-C
576		R Maya, 4 poss. sites all FE; at least 2 echoes on audio	111	1300	6/11	TB-C
585	JOPG	NHK1, Kushiro; totally dominant w OM announcer, but ruined by Faroese splatter	111	1300	6/11	TB-C
594	JOAK	NHK1, Tokyo; totally dominant w OM announcer, but ruined by Faroese splatter	111	1300	6/11	TB-C
612	JOLK	NHK1, Fukuoka; time pip, almost impossible under Faroese splat	111	1300	6/11	TB-C
630		VOR, Komsomolsk; VOR music bed and JJ px under German relay and NRK, very difficult under Faroese splatter	111	1302	6/11	TB-C
650		KNR Qeqertarsuaq, Greenland; monologue in Greenlandic slowly overtaken by KENI	222	1300	6/11	TB-C
650	KENI	Anchorage AK; news of shooting on army base	222	1300	6/11	TB-C
666	JOBK	NHK1, Osaka; time pip xf Russia & York	222	1300	6/11	TB-C
666		R Mayak, Komsomolsk; IS	222	1300	6/11	TB-C
680	KBRW	Barrow AK; wx, then "The night they drove old Dixie down"	434	1305	6/11	TB-C
702	JO--	NHK2, 2 poss tx; soft piano filler mx // 747 kHz	222	1300	6/11	TB-C
710	KIRO	Seattle WA; ESPN sports // SM2GHI's Perseus file recorded in North Sweden at the same time	111	1300	6/11	TB-C
720	RV679	Vo Russia, Vestochka, FE; Interval Signal behind BBC	333	1300	6/11	TB-C

729	JOCK	NHK1, Nagoya; time signal cutting across Essex, JJ YL	222	1300	6/11	TB-C
730	CHMJ	Vancouver BC; "Vancouver's AM 7-30"	222	1300	6/11	TB-C
738	JOLR	KNB, 2 poss tx; time pip	111	1300	6/11	TB-C
738	HLKG	KBS1, Gyeongsan; slightly premature time pip	111	1300	6/11	TB-C
740	CBX	Edmonton AB; CBC Radio 1, news	111	1300	6/11	TB-C
747	JOIB	NHK2, Sapporo; amazing peak // 1512 kHz	333	1300	6/11	TB-C
750	KFQD	Anchorage AK; advert for Sarah Palin's book, CBS News	222	1258	6/11	TB-C
756		CNR1, unid site; time pips & faint trace of theme mx in mess	111	1300	6/11	TB-C
760.02	CFLD	Burns Lake BC; country mx, ex poor (-122dBm)	111	1259	6/11	TB-C
770	CHQR	Calgary AB; briefly atop unid w Canadian accented nx	222	1300	6/11	TB-C
774	JOUB	NHK2, Akita; equal levels BBC R4 w soft Piano mx // 1512	433	1300	6/11	TB-C
780	KNOM	Nome AK; Oasis mx, ABC News, shooting at Texas Army base	344	1300	6/11	TB-C
790	KCAM	Glennallen AK; rlg's song, YL giving web address, Fox News	333	1300	6/11	TB-C
792		R Rossi, 3 poss sites, Astrakhan and 2 FE; IS behind UK	333	1300	6/11	TB-C
801	JO--	Unid JJ 10 possible, all 0.1kw! time pip cutting through Euro	111	1300	6/11	TB-C
820	KCBF	Fairbanks AK; local ID then back into sports	233	1300	6/11	TB-C
828	JOBB	NHK2, Osaka; time signal cutting through UK pile-up	111	1300	6/11	TB-C
830	KSDP	Sand Point AK; oldies "it's my party"	333	1300	6/11	TB-C
870	KSKO	McGrath AK; NPR classical px, lifting to nice levels	333	1300	6/11	TB-C
873	JOGB	NHK2, Kumamoto; ex poor time sig behind UK	111	1300	6/11	TB-C
890	KBBI	Homer AK; BBC WS px	111	1300	6/11	TB-C
900	KZPA	Fort Yukon AK; NPR class px // 870 kHz	333	1304	6/11	TB-C
918		Shandong News Channel, Jinan, China; pips 16 secs late, jingle, nx	222	1300	6/11	TB-C
920	KSRM	Soldotna AK; "Soldotna, Homer & Worldwide", then ABC nx	222	1300	6/11	TB-C
930	KNSA	Unalakleet AK; NPR px but not // 870 & 900; coverage of Jazz Festival in Washington DC	111	1258	6/11	TB-C
945		CNR1, unid site; swirly mx, TC behind UK	111	1300	6/11	TB-C
970	KFBX	Fairbanks AK; ID, news of shooting at army base in Texas	222	1300	6/11	TB-C
972	HLCA	KBS, Dangjin; time pip partially obscured by NDR jingle	222	1300	6/11	TB-C
981		CNR 1, Unid site; swirly mx, TC behind IRL	111	1300	6/11	TB-C
1000	KOMO	Seattle W; news jingle	111	1300	6/11	TB-C
1017		CRI, Changchun, China; very off-channel IS behind Germany	111	1300	6/11	TB-C
1040	CKST	Vancouver BC; "... down to the final play, Ron ...has the ball"	232	1300	6/11	TB-C
1071	JOWM	STV, Obihiro; excitable adverts and time pip behind UK	233	1300	6/11	TB-C
1080	KUDO	Anchorage AK; "K-U-D-O 10-80" equal levels with Spain	222	1300	6/11	TB-C
1130	CKWX	Vancouver BC; "News 11-30 news time 4-58"	322	1258	6/11	TB-C
1134	JOQR	NCB Bunka Hoso, Tokyo; promos, time pip, YL then OM	333	1300	6/11	TB-C
1140	KSLD	Soldotna AK; eventually overtaking CHRB with NBA nx	322	1302	6/11	TB-C
1140.01	CHRB	High River AB; adverts equal levels with AK	222	1300	6/11	TB-C
1143	JOBR	KBS Kinki Hoso, Kyoto; ex poor time pip under Russia	111	1300	6/11	TB-C
1170	HLSR	KBS World, Gimje; surprisingly poor time signal under Magic	111	1300	6/11	TB-C
1190	KEX	Portland OR; "the following is a weekly test of the emergency broadcast system" then IDs	233	1300	6/11	TB-C
1197	JO--	Unid JJ local w time pip under UK	111	1300	6/11	TB-C
1230	KOZI	Chelan WA (tentative); autism help line, CNN radio ID then lost under virgin splatter	222	1300	6/11	TB-C
1269	HLSI	KBS 1, Yangju; pip and KK tlk behind DLF	222	1300	6/11	TB-C
1287	JOHR	HBC, Sapporo; lifting out of mess to astonishing levels over Spain and unid EE with perfect ID	444	1300	6/11	TB-C

1296	JOTK	NHK1, Matsue; time pip behind UK	111	1300	6/11	TB-C
1320	CHMB	Vancouver BC; CC YL ID in VOR splatter gaps	222	1300	6/11	TB-C
1323		VO Russia, unid Site, China; IS behind Wachenbrunn IS	222	1300	6/11	TB-C
1332	JOSF	Tokai Hoso, Nagoya; gong at 13 secs past hour, excitable JJ OM under BBC Wiltshire	222	1300	6/11	TB-C
1360	KKMO	Tacoma WA; Mexican songs, Gpks	333	1300	6/11	TB-C
1390	KJOX	Yakima WA; hyperactive sports commentary	222	1300	6/11	TB-C
1410	CFUN	Vancouver BC; lighthearted discussion	222	1300	6/11	TB-C
1422		Taiyuan PBS, China ; YL Beijing TC audible when DLF pips notched; this was my UNID in the December DX Loggings - tnx Tarmo Kontro (see comments below)	222	1400	18/11	TB/JF
1470	CJVB	Vancouver BC; soft CC pops	343	1300	6/11	TB-C
1476	JOSD	NHK2, Lida; time pip behind Euskadi // 1512,1593 kHz	111	1300	6/11	TB-C
1494	JOYR	Okayama (tentative); JJ local way behind France w pips	111	1300	6/11	TB-C
1510	KGA	Spokane WA; sports discussion in 1512 splatter	222	1300	6/11	TB-C
1512	JOZB	NHK2 Matsuyama; soft piano mx, time sig, behind IRL // 1593	222	1300	6/11	TB-C
1521		CRI, Hutubi, China; fanfare, IDs in CC & RR	333	1300	6/11	TB-C
1530	JO--	Unid JJ local, time pip behind UK pile up	111	1300	6/11	TB-C
1539	UNID	KBS 1(1kw) or NHK-2(0.1kw) time signal xf CHN	222	1300	6/11	TB-C
1539		CNR-1, unid site, China; swirly mx & TC	232	1300	6/11	TB-C
1557		WYFR Kouhu, Taiwan; fanfare behind UK	222	1300	6/11	TB-C
1584	UNID	KBS 1 (1kw) or NHK-1 (0.1kw), time signal behind BBC Notts	111	1300	6/11	TB-C
1590	KLFE	Seattle WA; EE rlg songs, improves later	131	1300	6/11	TB-C
1593	JO--	NHK-2, 2 poss txs; soft mx, time pip, ID	343	1300	6/11	TB-C
1600	KVRI	Blaine WA; Indian mx during gaps in 1602 Netherlands splatter	141	1300	6/11	TB-C
1640	KDZR	Lake Oswego WA; manufactured pop (mostly under UNID EE t1k) // SM2GHI's Perseus file recorded at the same time in north Sweden	111	1302	6/11	TB-C
1700	XEPE	Tecate; extremely poor talk only IDed by // with SM2GHI's Perseus file recorded at the same time in north Sweden	111	1300	6/11	TB-C

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- TB-C Tim Bucknall analysis of Perseus recording made in Clashmore on the 338° beverage.
- TB/JF Tim Bucknall & John Faulkner, Matlock Forest. Perseus SDR + 300m Beverage at 30°.

This time I'll start with a few comments from our continental European members. Paraphrasing **Ronald**'s e-mail of 7th March, he says: "The last days of February provided a good surprise in the reception of west coast stations", and in a later message of 20th March adds "the good tran-Atlantic conditions get rarer, with only short band openings in the last two weeks." **Hans** made similar observations about propagation: "Glad to be back with some logs. I enclose also the Feb 2010 Logs. These logs were sent to you in time, but I suppose they didn't reach you. February was a really good month, thanks to the good support from the Perseus SDR. Also please find some March logs. The first two weeks were successful regarding TA Signals. During last week the conditions disappeared." – I'm sorry to say your February logs didn't reach me for some reason last month, but I'm pleased to include them this month – mah.

Back in the UK, **Barry** tells us: "A big log this time. The first half of March saw some interesting stations but no west coast. Towards the end Latin America starting to dominate the band here, south of the border". **Paul C** writes: "A disappointing month in general. Not much coming in from South America and the Caribbean which are the areas I have been looking for. Despite the antenna pointing in that direction, any good opening has still been coming from the mid West. There's always next month!"; **John W** comments: "Not very much from me this month - mostly overnight recordings!"

Although he hasn't submitted only one log this month **Steve** writes "I have observed some unusual reception condition since mid-March. In particular these days have been marked by odd combinations of stations - some expected signals missing, whilst others are unusually prominent. For example on 15th March I had a nice late signal from CKDO 1580 at 0815 UTC, 19/3 WNSW was a surprise catch on 1430 kHz. On 24th March WZAN 970 was above average and 1370 kHz had two stations whilst many "regulars" appeared to be depressed. Then on the night 25th-26th my log says "poor conditions" but sticking out like a sore thumb was a huge signal from WTAW on 1620 kHz around 0050 UTC. This pattern of reception might be symptomatic of the seasonal changes that no doubt occur around the equinox."

Tim writes about the UNID Chinese station on 1422 kHz that he reported to DX Loggings in December: "I was reading Tarmo Kontto's blog (<http://kingsvillagedx.blogspot.com/2010/03/kings-village-dx-station-february.html>) where he features a station profile every month and something in his description of Taiyuan PBS China 1422 set some bells ringing; so I sent him the file and he confirmed that the UNID I reported in the December MWN at 1400 on 18/11/09 was indeed Taiyuan PBS (Voice of the Elderly). The ID is obscured by DLF but Tarmo recognises the announcer giving the time check (it is 22 hours in Beijing); apparently this station is almost a pest in Finland since they raised the power". Tim has also been checking a Perseus recording from Clashmore, which is still a 'work-in-progress'. He tells us: "I've wanted to experience Sheigra for years but bad health has always got in the way so this is great fun. 1300 is a fascinating snap shot, very weak California traces hanging on, lots of Seattle, Vancouver, Portland, Alaska (KIFW & KVAK carriers visible on 1230 but no audio) but no obvious signs of Hawaii. Lots of Japan but no Okinawa; Korea surprisingly weak, probably due to the excellent directionality of your antenna. China just starting to appear on 1017,1521,1323, 945 etc The carrier on 1394.958 is probably PHL but there's not enough audio to tell. I've been comparing your file with a Swedish file (from SM2GHI) from the same time, very interesting although he had some stuff stronger, you had the edge on many signals and 1400 kHz was totally different on his file".

Not a great deal of time has been devoted to MW DXing in **Clashmore** during the last month. On the occasions I have listened, conditions have been unexciting, though the odd station of interest has been heard – mah.

The **deadline** for the May 2010 DX Loggings is **Saturday 24th April**. I look forward to receiving your logs by then, preferably electronically/via e-mail using the Word pro-forma, which is available from the "Files" section of our Yahoo Group; **very many thanks** to all members making the effort to submit contributions following the format used in DX Loggings.

73, Martin

VERIFICATIONS SECTION

✉ Kreuzstraße 4, 44532 Lünen, Germany

with Friedhelm Wittlieb

e-mail: verifications@mwcircle.org

☎ 0 32 12 – 107 79 39

<u>Station</u>	<u>kHz</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>who</u>
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EUROPE

United Kingdom:

L&D Hospital Radio, Luton	1134		2 letters	10 days after f/up	MvA
LPAM Radio Nightingale	1350	1 \$	letter, info	5 days	MvA

NORTH AMERICA

Canada:

CHRB Calgary, AB	1140	1 \$	letter	13 days after f/up	MvA
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USA:

WEPG Presque Isle	1390		cd	891 days	MvA
WCKY Cincinnati OH <u>1</u>	1530		lt	18 days	BD
WQRT 1160, Florence, KY <u>2</u>		1160	lt	133 days	MM

CENTRAL AMERICA

Puerto Rico:

WNEL 1430, Caguas 3	1430		ld/cd	one month	MM
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Note and Verifications Signers

1: v/s Ted Ryan CE who also enclosed a sticker for my email report!

2: v/s: Jackie Brandner, Administrative Assistant. ADDR: 635 W 7th St., Suite 400, Cincinnati, OH 45203

3: v/s: Luis de León, Gerente General (WP4KAJ).- **Adress:** P.O.Box 487, Caguas, PR 00725-0487

A: what was received; **B:** what return postage was sent; **C:** Days to get a reply

Contributors

Many thanks to:

MvA – Max van Arnhem, Hoenderloo, Netherlands – **BD** – Barry Davies, Carlisle, Cumbria
– **MM** – Mauricio Molano, Salamanca, Spain

73, Friedhelm (FW)